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PRETORIA,

10 MAY 1963.
10 MEI

PRYS 5c.

[No. 494.]

GOVERNMENT NOTICES.

DEPARTMENT OF HEALTH.

No. R. 665.]

[10 May 1963.]

The Minister of Health in exercise of the powers conferred upon him by sub-section (4) of section *ninety-four* of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules made by the South African Pharmacy Board under sub-section (2) of the said section of the Act in substitution for the rules published under Government Notice No. 93 of 17th January, 1941, as amended by Government Notices No. 2512 of 21st December, 1945, No. 841 of 23rd April, 1948, No. 2245 of 15th September, 1950, No. 226 of 1st February, 1952, No. 1513 of 10th July, 1953, No. 729 of 1st April, 1955, No. 1748 of 2nd September, 1955, No. 2236 of 11th November, 1955, No. 2023 of 2nd November, 1956, No. 2227 of 30th November, 1956, No. 1439 of 18th September, 1959, No. 2061 of 18th December, 1959, No. 1160 of 5th August, 1960, No. 1290 of 29th December, 1961 and No. 44 of 11th January, 1963:—

RULES RELATING TO THE FORM AND METHOD OF AND THE FEE FOR REGISTRATION OF CONTRACTS OF APPRENTICESHIP TO CHEMISTS AND DRUGGISTS.

1. (1) In these rules "the Act" means the Medical, Dental and Pharmacy Act, No. 13 of 1928, as amended by Acts Nos. 2 of 1935, 5 of 1937, 41 of 1944, 14 of 1946, 13 of 1950, 23 of 1951, 29 of 1954, 11 of 1957, 69 of 1961, and 34 of 1962, and any expression to which a meaning has been assigned in the Act shall, when used in these rules, bear the same meaning.

"Master" shall mean the chemist and druggist with whom is registered an apprentice in terms of these rules, and he shall be regarded for the purpose of these rules as the person responsible to the Board for due compliance with all the terms and conditions mentioned herein.

(2) No person shall be registered as the master other than—

- (i) in the case of a pharmacy owned by a single person, the said person;
- (ii) in the case of a pharmacy owned by a partnership, one of the said partners;
- (iii) in the case of a pharmacy owned by a body corporate carrying on the business of a chemist and druggist in terms of section seventy-six of the Act, the chemist and druggist being the managing director of such body corporate in his capacity as such;

GOEWERMENSKENNISGEWINGS.

DEPARTEMENT VAN GESONDHEID.

No. R. 665.]

[10 Mei 1963.]

Die Minister van Gesondheid het in uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel *vier-en-negentig* van die Wet op Geneeshere, Tandartse en Aptekers, 1928 (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls wat deur die Suid-Afrikaanse Aptekerskommissie ingevolge subartikel (2) van genoemde artikel van die Wet opgestel is ter vervanging van die reëls uitgevaardig ingevolge Goewermentskennisgewing No. 93 van 17 Januarie 1941, soos gewysig deur Goewermentskennisgewings No. 2512 van 21 Desember 1945, No. 841 van 23 April 1948, No. 2245 van 15 September 1950, No. 226 van 1 Februarie 1952, No. 1513 van 10 Julie 1953, No. 729 van 1 April 1955, No. 1748 van 2 September 1955, No. 2236 van 11 November 1955, No. 2023 van 2 November 1956, No. 2227 van 30 November 1956, No. 1439 van 18 September 1959, No. 2061 van 18 Desember 1959, No. 1160 van 5 Augustus 1960, No. 1290 van 29 Desember 1961 en No. 44 van 11 Januarie 1963:—

REËLS BETREFFENDE DIE VORM EN METODE VAN EN DIE GELDE VIR REGISTRASIE VAN APTEKERSLEERLINGKONTRAKTE.

1. (1) In hierdie reëls beteken „die Wet,” die Wet op Geneeshere, Tandartse en Aptekers, No. 13 van 1928, soos gewysig by Wet No. 2 van 1935 en Wette Nos. 5 van 1937, 41 van 1944, 14 van 1946, 13 van 1950, 23 van 1951, 21 van 1954, 11 van 1957, 69 van 1961 en 34 van 1962 en enige uitdrukking waaraan in die Wet 'n betekenis gegee is, het dieselfde betekenis wanneer dit in hierdie reëls gebruik word.

„Meester” beteken die apteker by wie 'n leerling ooreenkomstig hierdie reëls ingeskrif is en hy word vir doeleindes van hierdie reëls beskou as die persoon wat aan die Kommissie verantwoordelik is vir die behoorlike nakoming van al die bepalings en voorwaardes waarvan in hierdie reëls melding gemaak is.

(2) Niemand mag as meester geregistreer word behalwe—

- (i) in die geval van 'n apteek wat die eiendom van 'n enkele persoon is, sodanige persoon;
- (ii) in die geval van 'n apteek wat die eiendom van 'n vennootskap is, enigeen van sodanige vennote;
- (iii) in die geval van 'n apteek wat die eiendom is van 'n liggaam met regspersoonlikheid wat besigheid dryf as apteker ingevolge artikel *ses-en-sewentig* van die Wet, die apteker wat besturende direkteur is in sy hoedanigheid as sulks;

(iv) in the case of a pharmacy which is an approved pharmacy in a hospital, the chemist and druggist in charge of the pharmacy.

(3) An apprentice shall be registered with a master as defined in sub-rule (2) only.

(4) A master as defined in sub-rule (1) may delegate the actual training of an apprentice to some other chemist and druggist employed in the pharmacy and in such case the master shall advise the Board (on a form to be prescribed by the Board) of the name of the chemist and druggist who will actually train the apprentice. The delegation mentioned above shall in no way absolve the master named in the contract of apprenticeship from any of the responsibilities under the contract.

2. The Board may direct the master from time to time throughout the period of apprenticeship on the scope of the training to be given to the apprentice in such matters as Forensic Pharmacy, elementary principles of commerce and First Aid.

3. No person shall engage or employ any person as an apprentice or in any other capacity which may imply or lead such person to believe that he is being trained to the calling of a chemist and druggist, except under a contract of apprenticeship as prescribed under these rules. Such contract shall be submitted for registration by the Board within three months of such engagement or employment.

The Board may in its discretion ante-date the registration of the contract by not more than three months from the date on which it is lodged with supporting documents and fee with the Registrar.

4. In the case of an apprentice to be registered in a hospital pharmacy the contract shall be in the form of Annexure B hereto, and in the case of other apprentices shall be in the form of Annexure C hereto.

5. Every person desiring to register a contract of apprenticeship shall before entering into a contract, provide in the pharmacy at which the apprenticeship is to be served, at his own expense, the equipment mentioned in Annexure A hereto (which equipment is, in the opinion of the Board, that which should be present in every pharmacy), for the proper training of the apprentice, the dispensing of prescriptions and the preparation of the official B.P. preparations; he shall also provide adequate accommodation in the dispensing department for the efficient dispensing of prescriptions and the making of the said preparations; he shall further satisfy the Board that the pharmacy is so conducted that the apprentice will receive a proper training at such pharmacy.

6. A pharmacy shall have been in existence for not less than three years before an apprentice can be registered at such pharmacy, except in the case of an approved pharmacy in a Provincial or Government institution.

7. If there is only one chemist and druggist or if there are two chemists and druggists (including the proprietor) employed exclusively in a pharmacy at which it is proposed to register an apprentice, not more than one apprentice shall be registered at such pharmacy; provided that a second apprentice may be engaged six months before the expiration of the contract of the first, and his contract may be registered from that date.

8. In pharmacies where more than one chemist and druggist is simultaneously in exclusive and continuous attendance the maximum ratio of apprentices to such chemists and druggists shall be as follows:—

Two chemists and druggists—not more than one apprentice.

Three chemists and druggists—not more than two apprentices.

Four chemists and druggists—not more than three apprentices.

Five chemists and druggists—not more than four apprentices.

9. The Board may relax the provisions of rules 7 and 8 of these rules (in its discretion), and may allow additional apprentices to be registered at pharmacies where an apprentice whose contract has been registered, has volunteered and has been accepted for full-time military service.

(iv) in die geval van 'n apteek wat 'n goedgekeurde apteek in 'n hospitaal is, die apteker in beheer van sodanige apteek.

(3) 'n Vakleerling mag alleen by 'n meester soos omskryf in subreël (2) geregistreer word.

(4) 'n Meester soos omskryf in subreël (1) kan die werklike opleiding van 'n vakleerling aan een of ander apteker wat in die apteek werksaam is oordra, en in so 'n geval moet die meester die Kommissie in kennis stel (op 'n vorm deur die Kommissie voorgeskryf) van die naam van die apteker wat die vakleerling werklik sal oplei. Die oordrag hierbo vermeld, stel die meester in die vakleerling-skapkontrak vermeld, geensins hoegenaamd vry van enige van die verantwoordelikhede ingevolge die kontrak nie.

2. Die Kommissie kan die meester van tyd tot tyd gedurende die opleiding van die vakleerling inlig aangaande die omvang van sake soos Geregte Farmasie en die elementêre beginsels in die Handel en Noodhulp, tot aan die einde van die vakleerling-skap.

3. Niemand mag enigeen as 'n leerling of in enige ander hoedanigheid waardeur te kenne gegee kan word of wat dié persoon onder die indruk kan bring dat hy vir die aptekersberoep opgelei word, in diens neem nie, behalwe kragtens 'n leerlingkontrak wat ingevolge hierdie reëls voorgeskryf is nie. Dié kontrak moet binne drie maande nadat so 'n indiensneming aangeaan is, aan die Kommissie vir registrasie voorgelê word. Die Kommissie kan na goeëdunke die registrasie van die kontrak antedateer met hoogstens drie maande vanaf die datum waarop die kontrak, slawende dokumente en gelde by die Registrateur ingedien is.

4. In die geval van 'n leerling wat by 'n hospitaalapteek geregistreer moet word, moet die kontrak in die vorm van Bylae B hiervan wees, en in die geval van ander leerlinge moet die kontrak in die vorm van Bylae C hiervan wees.

5. Elke persoon wat 'n leerlingkontrak wil laat registreer moet alvorens hy 'n kontrak aangaan vir die behoorlike opleiding van die leerling en vir die opmaak van preskripsies en offisiële B.P.-preparate, op eie onkoste vir die apteek waar die leertyd deurgemaak moet word, die uitrusting verskaf waarvan in bygaande Bylae A melding gemaak is (welke uitrusting na die mening van die Kommissie in elke apteek aanwesig moet wees). Hy moet ook in die opmaakafdeling voldoende geleentheid verskaf vir die doeltreffende opmaak van preskripsies en genoemde preparate. Hy moet die Kommissie verder daarin oortuig dat die apteek op so 'n manier bestuur word dat die leerling behoorlik daarin opgelei sal kan word.

6. Voordat 'n leerling by 'n apteek ingeskryf kan word, moet so 'n apteek reeds drie jaar lank bestaan, behalwe in die geval van 'n goedgekeurde apteek in 'n Provinsiale of Goewermentsinrigting.

7. Daar moenie meer as een leerling ingeskryf word by 'n apteek waarin daar slegs een apteker of net twee aptekers (met inbegrip van die eienaar) uitsluitlik werk nie; met dien verstande dat nog 'n leerling, ses maande voor die verstryking van die eerste een se kontrak ingeskryf kan word en sy kontrak vanaf daardie datum geregistreer kan word.

8. In 'n apteek waar meer as een apteker gelyktydig in uitsluitlike en onafgebroke bediening is, die maksimum verhouding van leerlinge tot sodanige aptekers soos volg moet wees:—

Twee aptekers—hoogstens een leerling.

Drie aptekers—hoogstens twee leerlinge.

Vier aptekers—hoogstens drie leerlinge.

Vyf aptekers—hoogstens vier leerlinge.

9. Die Kommissie kan die bepalinge van reëls 7 en 8 van hierdie reëls na goeëdunke minder streng toepas, en indien 'n leerling met 'n geregistreerde kontrak sy dienste vrywillig vir voltydse militêre diens aanbied en die aanbod aangeneem word, kan die Kommissie toelaat dat addisionele leerlinge by sulke apteke ingeskryf word.

10. An application for the registration of an apprentice shall be made by a chemist and druggist to the Board on the form appearing as Annexure "A" to these rules and the information required therein shall be furnished by the applicant, and shall be accompanied by the inspection fee of R4.20.

11. Within one month of the receipt of an application for the registration of an apprentice, the Board shall satisfy itself by means of an inspection of the pharmacy at which it is proposed to employ the apprentice or from previous inspection reports that the requirements of the Act and these rules are being fulfilled, and if not, it shall advise the applicant in what respects the requirements are not being fulfilled and shall not direct the Registrar to register the contract of apprenticeship until such matters are rectified.

12. If the application is found to be satisfactory, the Registrar of the Board shall forward to the applicant the necessary forms of contract for completion. When completed, such forms shall be returned to the Registrar (in triplicate) who shall then register the contract and file one copy thereof for record and shall return two copies to the Master, who shall hand one to the apprentice.

13. The fee for the registration of a contract of apprenticeship is R10.50 and it must accompany the contract when it is submitted for registration.

14. Every person desiring to be apprenticed to a chemist and druggist shall, prior to entering into such a contract have obtained credits in the first year course of a university in the Republic, or in the Board's Intermediate Examination for the Diploma in Pharmacy, in three of the four subjects Botany, Chemistry, Physics and Zoology.

15. If at any time it is made to appear to the Board by report or enquiry that any master at whose pharmacy an apprentice is registered, fails to continue to provide the facilities and (when required) the material for the training of an apprentice as laid down by the Board, the Board shall call upon such Master to rectify the conditions of training and if such Master fails within a reasonable time to rectify such conditions, the Board may regard such failure as conduct of which it may take notice in terms of Chapter IV of the Act, and may hold an enquiry into his conduct.

16. No premium or other material consideration shall be payable by or on behalf of an apprentice to the chemist and druggist or employer in respect of any apprenticeship, and proof of payment of any such premium or other material consideration shall invalidate the contract.

17. Where the minimum rate of remuneration to be paid by an employer to an employee has been laid down under the Wage Act of 1957, or any amendment thereto, the contract of apprenticeship shall provide for remuneration of the apprentice at a rate not less than that stipulated in such Wage Act Determination.

18. Every apprenticeship shall be served under the personal supervision of the chemist and druggist named as master in the contract of apprenticeship or of the chemist and druggist to whom the training of the apprentice has been delegated by the master in terms of sub-rule (4) of rule 1 in the pharmacy being an open shop established for the dispensing and supplying of drugs and medicines direct to the general public, in a pharmacy of an approved wholesale and manufacturing pharmaceutical laboratory or an approved pharmacy in a hospital, which is specified in the contract; subject, however, to the provisions of rule 19 and 20.

19. With the concurrence of the master and the apprentice, a contract of apprenticeship may, with the prior consent of the Board, be ceded to any other chemist and druggist who may be willing to accept cession, but in such case, notice in writing of the proposed cession shall be given to the Registrar immediately, with the reason therefor and the master shall take all necessary steps to have the contract ceded and the cession registered within three months of the cession taking effect. A fee of R6.30 shall be payable to the Board in respect of each cession of a contract of apprenticeship registered under these rules.

10. 'n Apteker moet op die vorm wat as Bylae A by hierdie reëls verskyn, by die Kommissie aansoek doen om die inskrywing van 'n leerling en die inligting wat daarin vereis word moet deur die applikant verstrek word, en moet vergesel gaan van die inspeksiegeld van R4.20.

11. Binne een maand nadat 'n aansoek om die inskrywing van 'n leerling ontvang is, moet die Kommissie, deur middel van 'n ondersoek van die apteek waar die leerling in diens geneem sal word of uit vorige ondersoekverslae, homself daarvan oortuig dat die vereistes van die Wet en van hierdie reëls nagekom word, en indien dit nie die geval is nie moet die Kommissie die applikant laat weet in welke opsigte die vereistes nie nagekom word nie, en nie die Registrateur opdrag gee om die leerlingkontrak te registreer voordat daar aan die vereistes voldoen is nie.

12. As daar gevind word dat die aansoek bevredigend is, moet die Registrateur van die Kommissie die nodige kontrakvorms aan die applikant stuur om in te vul. Die ingevulde vorms moet in triplo aan die Registrateur teruggestuur word en hy moet dan die kontrak registreer, een kopie opberg en die ander twee terugstuur aan die meester wat een daarvan aan die leerling moet oorhandig.

13. Die registrasiegeld van 'n leerlingkontrak is R10.50 en moet die kontrak vergesel wanneer dit vir registrasie voorgelê word.

14. Elkeen wat hom as 'n leerling by 'n apteker wil laat inskryf, moet, voordat hy so 'n kontrak aangaan, erkenning ontvang het vir drie van die vier vakke Plantkunde, Chemie, Fisika en Dierkunde in die eerstejaarkursus van 'n universiteit in die Republiek of in die Intermediêre Eksamen vir die Diploma in Farmasie van die Aptekerskommissie.

15. As dit deur 'n verslag of 'n ondersoek te eniger tyd onder die Kommissie se aandag kom dat 'n meester, by wie se apteek 'n leerling ingeskryf is, nie aanhou om die fasiliteite en (wanneer nodig) die materiaal vir die opleiding van 'n leerling soos deur die Kommissie vasgestel, te verskaf nie, moet die Kommissie op so 'n meester 'n beroep doen om die saak in orde te bring, en as hy dit nie binne 'n redelike tydperk doen nie kan die Kommissie ingevolge hoofstuk IV van die Wet ondersoek na sy gedrag instel.

16. Geen onderriggeld of ander stoflike teenprestasie vir enige leertyd mag deur of ten behoeve van 'n leerling aan 'n apteker of werkgever betaal word nie, en as daar bewys gelewer word dat sulke onderriggeld of ander stoflike teenprestasie betaal is, is die kontrak ongeldig.

17. Waar die minimum loonskaal wat deur 'n werkgever aan 'n werknemer betaal moet word, bepaal is ingevolge die Loonwet van 1957 of enige wysiging daarvan, moet die loon van die leerling in die leerlingkontrak bepaal word teen minstens die skaal wat in so 'n Loonwetbepaling beding is.

18. Elke leertyd moet deurgemaak word onder die persoonlike toesig van die apteker wat in die leerlingkontrak as die meester benoem is, of deur die apteker aan wie die opleiding van die vakleerling oorgedra is ingevolge subreël (4) van reël 1, in die apteek, naamlik 'n oop winkel wat in die kontrak vermeld is en wat opgerig is vir die opmaak van medisyne wat regstreeks aan die publiek verskaf word; in 'n apteek van 'n goedgekeurde groothandels- en vervaardigingsartseny-laboratorium of in 'n goedgekeurde hospitaal-apteek, onderworpe egter aan die bepaling van reëls 19 en 20.

19. 'n Leerlingkontrak kan met die voorafgaande toestemming van die Kommissie met instemming van die meester en die leerling oorgedra word aan enige ander apteker wat mag inwillig om die oordrag te aanvaar, maar in so 'n geval moet die Registrateur onmiddellik skriftelik in kennis gestel word van die voorgenome oordrag met die redes daarvoor, en die meester moet al die nodige stappe doen om die kontrak te laat oordra en om die oordrag binne drie maande nadat dit in werking getree het te laat registreer. Gelde ten bedrae van R6.30 moet aan die Kommissie betaal word vir elke oordrag van 'n leerlingkontrak wat kragtens hierdie reëls geregistreer is.

20. In the event of the death, insanity, insolvency, conviction for crime, imprisonment for debt, suspension, striking off the register or discontinuance of practice of the chemist and druggist under whom such apprenticeship is being served, or other similar and sufficient cause, the Board may direct that such contract of apprenticeship be ceded to any other chemist and druggist who may be willing to receive such apprentice under cession as aforesaid; and all service completed under this proviso, shall be good and effectual for the purpose of these rules.

21. The provisions of these rules shall apply *mutatis mutandis* to the registration of cessions of contracts of apprenticeship.

22. The master under the contract of apprenticeship shall on completion of the contract forthwith complete the certificate relating thereto appearing at the foot of the contract and shall send both copies to the Registrar who, if he is satisfied that the contract has been satisfactorily completed shall endorse one copy accordingly and send it to the apprentice for retention.

23. Notwithstanding due compliance with the foregoing rules, the Board shall in terms of section twenty-seven (2) *bis* of the Act, refuse to register a contract of apprenticeship if it has good and sufficient reason to believe that the pharmacy is so conducted that an apprentice will not receive a proper training at such pharmacy.

24. The Board may appoint persons to inspect pharmacies where it is proposed to train apprentices or where apprentices are being trained, and it shall be the duty of such inspectors to report on the accommodation provided therein, and the material equipment and facilities available for the training of an apprentice and the manner in which such pharmacies are conducted.

25. The fee payable to inspectors for the inspection of pharmacies shall be a sum not exceeding R4.20, plus reasonable subsistence and travelling allowances where necessary.

26. It shall be the duty of every chemist and druggist to afford assistance to, and co-operate with the inspector duly appointed by the Board, in the exercise of his functions under these rules.

ANNEXURE "A".

THE SOUTH AFRICAN PHARMACY BOARD.

APPLICATION FOR THE REGISTRATION OF AN APPRENTICE.

I, _____, being the owner/partner/managing director/Director of Hospital Services of _____, apply for the registration of an apprentice and in support of my application submit the following particulars in regard to the pharmacy:—

1. Name of pharmacy/hospital _____
2. Where situated _____
3. Date of establishment _____
4. Date when taken over by present owner _____
5. Owner of pharmacy _____
6. Names of other chemists and druggists engaged in the pharmacy _____
7. The following apprentice(s) is/are at present registered at this pharmacy _____
or
8. The following is the last apprentice who was registered at the pharmacy _____
9. The equipment, books of reference and books of record mentioned at the foot of this form are present in my pharmacy, with the exception of those deleted. (Strike out any items not on hand.) _____
10. Number of original prescriptions (excluding repeats) dispensed during the past 12 months _____
11. I attach hereto a rough plan of my dispensary, with floor measurements, which plan indicates the sources of water, heat and light. _____

I declare on oath that the above statements are true and correct.

(Signature) _____

Sworn before me at _____ this _____ day of _____, 19____ by the deponent, who declared that he knew and understood the contents of his affidavit.

Justice of the Peace or
Commissioner of Oaths.

20. Indien die apteker onder wie die leertyd deurgemaak word, sterf, kranksinnig word, bankrotspeel, veroordeel word weens 'n misdaad, in die tronk gesit word weens skuld, geskors word, van die register geskrap word, sy praktyk opgee, of indien daar 'n ander soortgelyke en genoegsame rede bestaan, kan die Kommissie opdrag gee dat so 'n leerlingkontrak oorgedra word op 'n ander apteker wat mag inwillig om so 'n leerling ingevolge hierdie oordrag, soos voornoemd, te ontvang. Alle diens wat ingevolge hierdie voorbehoudsbepaling voltooi is, word vir doeleindes van hierdie reëls as van toepassing en van krag beskou.

21. Die bepalinge van hierdie reëls is *mutatis mutandis* van toepassing op die registrasie van leerlingkontrakdragte.

22. Die meester met wie die leerlingkontrak aangegaan is moet onverwyld, na voltooiing van die kontrak, die sertifikaat in verband daarmee onderaan die kontrak invul en beide afskrifte aan die Registrateur stuur wat, as hy tevrede is dat die kontrak bevestigend voltooi is, een afskrif dienooreenkomstig moet endosseer en aan die leerling vir sy inligting moet stuur.

23. Die Kommissie moet, ondanks behoorlike nakoming van bostaande reëls ingevolge artikel sewe-en-twintig (2) *bis* van die Wet weier om 'n leerlingkontrak te registreer as hy goeie en voldoende rede het om aan te neem dat die apteek op so 'n manier bestuur word dat 'n leerling nie 'n behoorlike opleiding in so 'n apteek sal ontvang nie.

24. Die Kommissie kan mense aanstel om ondersoek in te stel na, apteke waarin leerlinge opgelei gaan word of opgelei word, en dit sal die plig van sulke inspekteurs wees om verslag te doen oor die geriewe wat daarin verskaf word, oor die materiaal, die uitrusting en die fasiliteite wat vir die opleiding van 'n leerling beskikbaar is en oor die manier waarop so 'n apteek bestuur word.

25. Die geld wat aan inspekteurs vir die ondersoek van apteke betaalbaar is, is 'n bedrag van hoogstens R4.20 plus redelike verblyf- en reistoelaes waar nodig.

26. Dis die plig van elke apteker om die inspekteur, wat behoorlik deur die Kommissie aangestel is, in die uitoefening van sy pligte ingevolge hierdie reëls by te staan.

BYLAE A.

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

AANSOEK OM DIE INSKRYWING VAN 'N LEERLING.

Ek, _____, naamlik die eienaar/vennoot/besturende direkteur/Direkteur van Hospitaaldienste van _____ doen aansoek om die inskrywing van 'n leerling, en ter staving van my aansoek lê ek die volgende besonderhede van die apteek voor:—

1. Naam van apteek/hospitaal _____
2. Waar geleë _____
3. Datum van oprigting _____
4. Datum van oorname deur huidige eienaar _____
5. Eienaar van apteek _____
6. Name van ander aptekers wat in die apteek in diens is _____
7. Onderstaande leerling(e) is tans by hierdie apteek ingeskryf _____
of
8. Onderstaande leerling is die laaste een wat by hierdie apteek ingeskryf was _____
9. Die uitrusting, naslaanwerke en registers wat onderaan hierdie vorm opgenoem word, behalwe dit wat geskrap is, is in my apteek aanwesig. _____
10. Aantal oorspronklike preskripsies (behalwe herhalings) wat gedurende die afgelope 12 maande opgemaak is _____
11. Ek heg hieraan, met vloerafmetsings, 'n ruwe skets van my apteek waarop die water-, warmte- en ligbronne aangetoon word. _____

Ek verklaar onder eed dat die bogenoemde verklarings waar en reg is.

(Handtekening) _____

Beëdig voor my te _____ op hede die _____ dag van _____ 19____ deur die deponent, wat verklaar het dat hy die inhoud van hierdie beëdigde verklaring ken en verstaan.

Vrederegter of Kommissaris van
Ede.

EQUIPMENT CONSIDERED NECESSARY FOR THE COMPOUNDING AND DISPENSING OF MEDICAL PREPARATIONS AND THE SALE OF POISONS WHICH MUST BE AVAILABLE FOR THE TRAINING OF AN APPRENTICE.

Well lit and properly ventilated dispensary.

Scales.—Dispensing.

Weights.— $\frac{1}{2}$ grain to 2 drachms; $\frac{1}{4}$ Oz. to 1 lb.; .01 gm. to 50 gms.

Measures.— 1×2 drachms or $\frac{1}{2}$ ounce; 1×2 ounces graduated in drachms; 1×4 ounces; 1×1 pint; 1×10 mil. graduated in $1/10$ th mil.; 1×50 mil. graduated in 0.5 mil.; 1×100 mil. graduated in 1 mil.; 1×500 mil.

Pill Machines.— 1×3 grain; or 1×5 grain.

Mortars.—1 Pill Mortar; 1 large Wedgwood; 1 glass or porcelain.

Suppository Mould.

Slab.—Glass or porcelain.

Spatulas.—Various metal and vulcanite or bone.

Powder Folder.—1.

Funnels.

1 Beaker 250 c.c.

1 Evaporating Dish.

1 Conical flask.

1 Retort Stand, fitted with 2 clamps and 1 ring.

1 Sand Bath.

1 Sieve.

1 Thermometer 200°C .

1 Water Bath.

1 Tripod.

Efficient source of heat.

Copies of current editions B.P. with Addenda and B.P.C.

Medical, Dental and Pharmacy Act No. 13 of 1928 with regulations promulgated thereunder.

Foods, Drugs and Disinfectants Act and Regulations promulgated thereunder.

Extra Pharmacopoeia (Martindale) Volume I.

Poisons Book kept in proper order.

H.F.D. Register in good order.

Standard Text Book on Dispensing.

A suitable means of refrigeration.

ANNEXURE "B".

THE SOUTH AFRICAN PHARMACY BOARD.

FORM OF CONTRACT OF APPRENTICESHIP.

Whereas (hereinafter called "the apprentice") is desirous of being apprenticed to the calling and business of a chemist and druggist;

And whereas he/she is qualified in terms of Rule 14/14 *bis* (as the case may be) of the rules relating thereto to enter into apprenticeship "

And whereas in his capacity for the time being as the Director of Hospital Services of the Province of in the Republic of South Africa (hereinafter called "the employer") is prepared to employ the apprentice for the period prescribed in sub-section (1) of section twenty-seven of the Medical, Dental and Pharmacy Act, 1928, as an apprentice to (hereinafter called "the master"), a chemist and druggist employed by the employer at the Hospital.

Now, therefore, this indenture made on this day of 19 between (the employer); (the master); and (the apprentice), (1) a major/son/daughter/ward of of (1) (hereinafter called "the guardian") with the consent of the said guardian as surety for the apprentice:

Witnesseth: That the apprentice of his/her own free will and accord (1) and with the consent of his/her guardian binds himself/herself as an employee to the employer and as an apprentice to the master for a term of two years (in accordance with the provisions of sub-section (1) of section twenty-seven of the Medical, Dental and Pharmacy Act, 1928), commencing from to learn the art, trade and business of a chemist and druggist;

And the (1) guardian and the apprentice hereby covenant with the employer and the master that during the said term the said apprentice shall honestly, faithfully and diligently serve and obey the employer and the master and those who may be in authority over him/her and shall not divulge the secrets of the employer and of the master and the names and affairs of the patients of the said hospital, nor make copies of any papers or books belonging to the employer or the master without receiving the permission respectively of the employer or the master; that he/she shall not do or commit or suffer to be done or committed any waste, damage or injury of or to the property of the employer and/or of the master, and shall not absent himself/herself from the service of the employer without permission from the master; that he/she shall under the supervision and control of the master during the course of his/her apprenticeship compound and dispense 500 prescriptions. If this number of prescriptions be not compounded and dispensed in the ordinary course of business in the pharmacy, the employer shall cause the balance to be drafted by the master. Of the total number of

UITRUSTING WAT NODIG BESKOU WORD VIR DIE VERMENGING EN OPMAAK VAN GENEESKRAGTIGE PREPARATE EN VIR DIE VERKOOP VAN VERGIFTE, EN WAT VIR DIE OPLEIDING VAN 'N LEERLING BESKIKBAAR MOET WEES.

Aptek wat goed verlig en behoorlik geventileer is.

Weegskaal.—Aptekers.

Gewigte.— $\frac{1}{2}$ grein tot 2 dragmes; $\frac{1}{4}$ ons tot 1 lb.; 0.01 gram tot 50 gram.

Mate.— 1×2 dragmes of $\frac{1}{2}$ ons.; 1×2 ons gegradeer in dragmes; 1×4 ons; 1×1 pint; 1×10 mil. gegradeer in $1/10$ de mil.; 1×50 mil. gegradeer in 0.5 mil.; 1×100 mil. gegradeer in 1 mil.; 1×500 mil.

Pillrollers.— 1×3 grein, of 1×5 grein.

Vysels.—1 pillevysel, 1 groot Wedgewood, 1 glas of porselein.

Steekpilvorm.

Plaats.—Glas of porselein.

Spatels.—Verskeie, metaal en vulkaniet of been.

Poeiervouer.—1.

Tregters.

Beker.— 1×250 c.c.

Indampbakkie.—1.

Kegelvormige fles.—1.

Kolfstander.—1, uitgerus met 2 klemme en 1 ring.

Sandbad.—1.

Sif.—1.

Termometer.— $1 \times 200^{\circ}\text{C}$.

Waterbad.—1.

Drievoet.—1.

Bron vir voldoende verhitting.

Eksemplare van lopende B.P.-uitgawes met Addenda en B.P.C.

Wet op Geneeshere, Tandartse en Aptekers, No. 13 van 1928 en Regulasies wat ingevolge die Wet uitgevaardig is.

Wet op Voedingsmiddels, Medisyne en Ontsmettingsmiddels en Regulasies wat ingevolge die Wet uitgevaardig is.

Die Ekstra Farmakopoeia (Martindale), Boekdeel I.

Gifboek in goeie orde.

Register van Gewoontevormende Medisyne in goeie orde.

Standaard Handboek oor Medisynebereiding.

'n Geskikte metode van bevriesing.

BYLAE B.

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

LEERLINGKONTRAKVORM.

Nademaal (hieronder genoem die leerling) hom/haar as leerling vir die aptekersberoep wil laat inskryf;

En nademaal hy/sy ooreenkomstig reël 14 of reël 14 *bis* (na gelang van die geval) van die reëls in daardie verband bevoeg is om as leerling in te skryf.

En nademaal in sy hoedanigheid, op die tydstip, van direkteur van hospitaaldienste van die provinsie in die Republiek van Suid-Afrika (hieronder genoem die werkgever) bereid is om die leerling vir die tydperk voorgeskryf in subartikel (1) van artikel sewe-en-twintig van die Wet op Geneeshere, Tandartse en Aptekers, 1928, in diens te neem as leerling by (hieronder genoem "die meester"), 'n apteker in diens van die werkgever by die hospitaal

So is dit dat hierdie inboeking, gemaak op hede die dag van 19 tussen (die werkgever), (die meester), en (die leerling), (1) meerderjarige/seun/dogter/pleegkind van van (1) (hieronder genoem "die voog"), met die toestemming van genoemde voog as borg vir die leerling;

Getuig dat die leerling uit eie beweging en met (1) die toestemming van die voog hom/haar verbind om [ooreenkomstig die bepalings van subartikel (1) van artikel sewe-en-twintig van die Wet op Geneeshere, Tandartse en Aptekers, 1928] vir 'n tydperk van twee jaar met ingang van as werknemer by die werkgever en as leerling onder die meester te dien om hom/haar vir die aptekersberoep en -bedryf te bekwaam;

En die voog(1) en die leerling kom hierby met die werkgever en die meester ooreen dat genoemde leerling gedurende genoemde tydperk die werkgever en die meester en diegene wat oor hom/haar aangestel word eerlik, getrou en ywerig sal dien en gehoorsaam, en nie die geheime van die werkgever en van die meester, of die name en sake van die pasiënte van genoemde hospitaal sal openbaar nie, of nie sonder die toestemming van onderskeidelik die werkgever of die meester afskrifte van dokumente of boeke wat aan die werkgever of die meester behoort, sal maak nie; dat hy/sy nie die werkgever en/of die meester se eiendom sal vernors, beskuldig of benadeel of laat vernors, beskuldig of benadeel nie, en nie sonder verlof van die meester uit die werkgever se diens sal wegbly nie; dat hy/sy gedurende sy/haar leertyd 500 preskripsies onder die beheer en toesig van die meester sal berei en opmaak. Indien hierdie aantal preskripsies nie in die gewone loop van sake in die apteek berei en opgemaak word nie, moet die werkgever die restant deur die meester laat uitskryf. Vyftig van die 500 preskripsies wat deur die leer-

500 prescriptions compounded and dispensed by the apprentice, 50 shall comprise certain types laid down by the South African Pharmacy Board from time to time and the apprentice shall keep particulars of the prescriptions dispensed in a book to be kept for the purpose and shall obtain a certificate from the master that they have been satisfactorily dispensed and the apprentice shall preserve this book throughout the apprenticeship and lodge it with the Registrar of the South African Pharmacy Board from time to time when called upon so to do and for retention by the Registrar on the completion of the period of this contract.

The apprentice and the guardian further covenant with the said master that during the said term the said apprentice shall diligently apply himself to the study of such matters as Forensic Pharmacy and elementary principles of Commerce as the Board may determine, and do exercises therein as directed by his master and, if he is not already in possession of a valid certificate of proficiency in First Aid awarded to him by the South African Red Cross Society, Die Noodhulppliga or the St. John Ambulance Association, he shall attend an approved course of study and examination in First Aid and shall produce a valid certificate of proficiency before the termination of this contract for inspection by the Board.

In consideration whereof the employer covenants with the master (1) and with the guardian and with the apprentice that he, the said employer, shall, during the said term, cause the master to, and the master hereby covenants that he will, take and receive as an apprentice, the apprentice, and that the master will to the best of his knowledge and ability teach and instruct the apprentice in the art, trade and business of a chemist and druggist and all things incidental thereto; and the employer hereby agrees that he shall provide the equipment mentioned in the form appearing as Annexure B to the Rules of the South African Pharmacy Board relating to the registration of Contract of Apprenticeship and the material necessary for the proper training of the apprentice in practical pharmacy and dispensing and shall cause the master to provide over the period of apprenticeship 500 prescriptions to be compounded and dispensed by the apprentice. If this number of prescriptions be not dispensed in the ordinary course of business in the pharmacy the employer undertakes to cause and the master to draft the balance to make up the required number. Of the total number of 500 prescriptions compounded and dispensed by the apprentice, 50 shall comprise certain types laid down by the South African Pharmacy Board from time to time; and the employer shall cause to be certified and the master shall certify in the apprentice's book that the apprentice has satisfactorily compounded and dispensed the 500 prescriptions referred to above as laid down by the Pharmacy Board during the term of apprenticeship; and the employer shall pay to the apprentice a salary at the rates and in the manner following, i.e.: during the first year of the said term the sum of R. _____ per month; during the second year of the said term the sum of R. _____ per month; or such higher salary as may be laid down from time to time under any law applicable and such sums shall be paid monthly on the last day of each month; and the said employer shall give the apprentice as many consecutive days holiday in respect of each year of the term as is laid down from time to time under any law applicable; and further, the employer shall cause the master to, and the master shall provide, during and on completion of the said term, the apprentice with such certificates as may be required to enable him/her to enter for the examination for chemists and druggists of the South African Pharmacy Board.

The master further undertakes to instruct the apprentice in such matters as Forensic Pharmacy and elementary principles of Commerce, in accordance with directions supplied to him by the Board from time to time, and shall require the apprentice to produce for the inspection of the Board, before the termination of the period of the contract, a valid certificate of proficiency in First Aid given by the South African Red Cross Society, Die Noodhulppliga or the St. John Ambulance Association.

It is further hereby agreed and understood that if the master shall at any time during the said term cease to be employed by the employer in the said hospital, he shall not be liable to compensate either in money or other consideration whatsoever the apprentice or his/her heirs, executors or administrators or to his/her guardian, but he shall, if desired so to do by the apprentice, assign this contract of apprenticeship to some other fit and proper person practising the same profession in the Republic of South Africa who shall be employed at the said hospital.

No period of apprenticeship served under this contract shall be recognised if the contract is cancelled for any reason.

If the apprentice shall absent himself/herself from the pharmacy in which he/she is registered on any working day other than (i) those days authorised by his/her master as vacation days, which vacation days shall not be in excess of those prescribed by any law applicable to the case, or (ii) those days authorised by the master as sick-leave not exceeding those prescribed by regulation, or (iii) those days spent on compulsory military training, the master shall report the matter to the Board and the apprentice shall be required to serve an additional day of apprenticeship for each such day of absence, after the day on which this contract would normally expire, before the contract can be considered as having been completed.

And the employer hereby undertakes and agrees that should the master at any time during the said term discontinue his practice in the said hospital that he (the employer) will provide some other chemist and druggist who shall be willing to accept the services of the apprentice for the remainder of the term.

No premium or other material consideration shall be payable by or on behalf of the apprentice to the employer or to the master in respect of any apprenticeship and proof of payment or of any such premium or other consideration shall invalidate the contract.

ling berei en opgemaak word, moet bestaan uit sekere gespesifiseerde soorte wat van tyd tot tyd deur die Suid-Afrikaanse Aptekerskommissie vasgestel word; en die leerling moet besonderhede van die opgemaakte preskripsies aanteken in 'n boek wat vir die doel gehou word, en hy/sy moet van die meester 'n sertifikaat verkry waarin verklaar word dat hulle op bevredigende wyse opgemaak is; en die leerling moet hierdie boek gedurende die hele leertyd bewaar en dit van tyd tot tyd, wanneer hy/sy daartoe versoek word, indien by die Registrateur van die Suid-Afrikaanse Aptekerskommissie wat dit moet hou na afloop van die termyn van hierdie kontrak.

Die leerling en die voog kom verder met genoemde meester ooreen dat genoemde leerling gedurende genoemde tydperk hom sal beywer in die studie van Geregtelike Farmasie en die elementêre beginsels in die handel, soos deur die Kommissie neergelê, en oefeninge daarin doen soos deur die meester bepaal, en indien hy nie alreeds in besit is van 'n geldige sertifikaat van bevoegdheid in Noodhulp wat deur die Suid-Afrikaanse Rooikruisvereniging, Die Noodhulppliga of die St. John-ambulansvereniging uitgereik is nie, hy 'n goedgekeurde studiekursus in Noodhulp sal volg en eksamen daarin aflê en 'n geldige sertifikaat van bevoegdheid, voor die verstryking van hierdie kontrak, aan die Kommissie vir inspeksie, sal voorlê.

As teenprestasie hiervoor kom die werkgever met die meester en met die voog(1) en met die leerling ooreen dat hy die genoemde werkgever, gedurende genoemde tydperk sal toesien dat die meester die leerling as leerling aannem en die meester stem hierby daartoe in, en dat die meester die leerling na sy beste wete en vermoë vir die aptekersberoep en -bedryf en alles wat daaraan verbonde is, sal onderrig en oplei; en die werkgever onderneem hierby dat hy die uitrusting wat genoem is in die vorm wat as Bylae B by die reëls van die Suid-Afrikaanse Aptekerskommissie betreffende die registrasie van leerlingkontrakte verksyn, sal verskaf en die nodige materiaal vir die behoorlike opleiding van die leerling in die praktiese farmasie en die opmaak van preskripsies, en dat hy sal toesien dat die meester die leerling gedurende die tydperk van die kontrak 500 preskripsies laat berei en opmaak (indien hierdie getal preskripsies nie in die gewone loop van sake in die apteek opgemaak word nie, onderneem die werkgever om te sorg dat die meester die restant yir die vereiste getal uitskryf). Vyftig van die 500 preskripsies wat deur die leerling berei en opgemaak word, moet bestaan uit sekere gespesifiseerde soorte wat van tyd tot tyd deur die Suid-Afrikaanse Aptekerskommissie vasgestel word; en die werkgever moet sort dat die meester in die leerling se boek sertifiseer dat die leerling bogenoemde 500 preskripsies, soos deur die Aptekerskommissie gedurende die leertyd vasgestel, op bevredigende wyse berei en opgemaak het, en die werkgever moet genoemde leerling op onderstaande wyse en teen onderstaande skale besoldig, d.w.s. gedurende die eerste jaar van genoemde tydperk 'n bedrag van R. _____ per maand; gedurende die tweede jaar van genoemde tydperk 'n bedrag van R. _____ per maand; of sodanige hoër besoldiging as wat van tyd tot tyd by 'n wet wat van toepassing is, bepaal word, en dié bedrae moet maandeliks op die laaste dag van elke maand betaal word; en genoemde werkgever moet die leerling ten opsigte van elke jaar van die tydperk soveel opeenvolgende dae vakansie gee as wat van tyd tot tyd ingevolge 'n wet wat van toepassing is bepaal word; en die werkgever moet verder sorg dat die meester gedurende en na afloop van genoemde tydperk die leerling van die nodige sertifikate voorsien om laasgenoemde in staat te stel om hom/haar vir die aptekerseksamen van die Suid-Afrikaanse Aptekerskommissie te laat inskryf.

Die meester onderneem verder om die leerling op te lei in sake soos Geregtelike Farmasie en die elementêre beginsels in die handel, gortekomstig die voorskrifte wat die Kommissie van tyd tot tyd aan hom verstrek, en dat hy voor die verstryking van die tydperk van die kontrak 'n geldige sertifikaat van sy bevoegdheid in Noodhulp, wat deur die Suid-Afrikaanse Rooikruisvereniging, Die Noodhulppliga of die St. John-ambulansvereniging uitgereik is aan die Kommissie vir inspeksie sal voorlê.

Daar word hierby verder ooreengekom en verstaan dat, indien die meester te eniger tyd gedurende genoemde tydperk nie meer deur die werkgever in genoemde hospitaal geëmplojeer word nie, hy nie yir vergoeding of in geld, of by wyse van 'n ander teenprestasie van watter aard ook aan die leerling of sy/haar erfgename, eksekuteurs of bederdaars of aan sy/haar voog aanspreeklik is nie, maar indien die leerling dit verlang moet hy hierdie leerlingkontrak oordra aan 'n ander bevoegde persoon wat dieselfde beroep in die Republiek van Suid-Afrika beoefen en wat by genoemde hospitaal in diens is.

Geen tydperk wat onder hierdie kontrak uitgedien is, word erken indien die kontrak om enige rede gekanselleer word nie.

Indien die leerling wegbly van die apteek waarin hy/sy geregistreer is op enige ander werksdag as (i) die dae deur sy/haar meester gemagtig as vakansiedae, en hierdie vakansiedae mag nie die dae voorgeskryf by 'n wet wat van toepassing is op die geval, oorskryf nie, of (ii) die dae gemagtig deur die meester as siekteverlof, nie dié by regulasie voorgeskryf te bowe gaande nie, of (iii) die dae in verpligte militêre opleiding deurgebring, moet die meester die saak by die Kommissie rapporteer en dit sal dan vir die leerling nodig wees om 'n addisionele dag van vakleerlingskap te dien vir elke sodanige dag van afwesigheid na die dag waarop hierdie kontrak in gewone omstandighede sou verval, voordat die kontrak as uitgevoer beskou kan word.

En die werkgever onderneem hierby en stem in dat, indien die meester te eniger tyd gedurende genoemde tydperk sy praktyk in genoemde hospitaal opgee, hy (die werkgever) 'n ander apteker sal verskaf wat bereid is om die dienste van die leerling vir die res van die tydperk aan te neem.

Geen leergeld of ander stoflike teenprestasie vir dié leertyd mag deur of ten behoeve van die leerling aan die werkgever of aan die meester betaal word nie, en as daar bewys gelewer word dat sodanige leergeld of ander stoflike teenprestasie betaal is, is die kontrak ongeldig.

It is further expressly agreed between the parties hereto that this apprenticeship shall be served under the personal supervision of the master in the hospital named herein.

The master hereby agrees and binds himself to do and perform the acts and things which the employer has undertaken that he shall cause the master to do and all acts and things which this Agreement shall require the master to do.

The employer, the master and apprentice (1) (and his/her guardian) have carefully read and acknowledged that they fully understand the contents of this contract.

In witness whereof the contracting parties have hereunto set their hands on the _____ day of _____ 19____.

As witnesses:

(1) _____	_____
(2) _____	Employer.
(1) _____	_____
(2) _____	Master.
(1) _____	_____
(2) _____	Apprentice.
(1) _____	_____
(2) _____	Guardian.(1)

DISCHARGE.

(To be filled in on completion by the apprentice of the terms of his/her apprenticeship under this agreement.)

This is to certify that the within-named _____ has completed his/her full term of apprenticeship under this agreement, this _____ day of _____, 19____.

Master.

(1) If a major delete all reference to guardian.

THE SOUTH AFRICAN PHARMACY BOARD.

Contract registered as commencing from _____ 19____.

Registrar.

19____

ANNEXURE "C".

THE SOUTH AFRICAN PHARMACY BOARD.

CONTRACT OF APPRENTICESHIP.

Whereas (1) _____ is desirous of being apprenticed to the calling and business of a chemist and druggist and whereas he/she is qualified in terms of Rule 14/14 bis (as the case may be) of the rules relating thereto to enter into apprenticeship and whereas (2) _____ is prepared to accept the said (1) _____ as an apprentice for a period of two years.

Now, therefore, this indenture made the (3) _____ day of _____, 19____ between (3) _____ chemist and druggist of (4) _____ hereinafter called the master and (5) _____ of _____ hereinafter called the apprentice, being a (6) major/son/daughter/ward of _____ hereinafter called the guardian, with the consent of the said guardian as surety of the said apprentice.

Witnesseth: That the said apprentice of his own free will and accord (6) and with the consent of the said guardian, hereby binds himself/herself as apprentice to the said master for a term of two years, commencing as and from _____ to learn the art, trade and business of a chemist and druggist; and the said guardian (7) and the said apprentice herewith covenant with the said master that during the said term the said apprentice shall honestly, faithfully and diligently serve and obey the said master and those who may be put in authority over him/her and shall not divulge the secrets of the said master nor the names or affairs of his customers, nor make copies of any papers or books belonging to the master without his permission and shall not do or commit or suffer to be done or committed any waste, damage or injury of or to the property of the said master and shall not absent himself/herself from the service of the said master without permission; and shall under the control and supervision of the master during the course of the apprenticeship compound and dispense 500 prescriptions; and shall keep particulars of the 500 prescriptions compounded and dispensed in a book to be kept for the purpose, and shall obtain a certificate from the master that they have been satisfactorily compounded and dispensed; and shall preserve this book throughout the apprenticeship and lodge it for retention with the Registrar of the Board on the completion of the contract. (If the required number of prescriptions be not compounded and dispensed in the ordinary course of business in the pharmacy the balance shall be drafted by the master. Of the total number of 500 prescriptions to be compounded and dispensed, 50 shall comprise certain specified types as laid down by the Board from time to time.)

Die partye herby kom verder uitdruklik ooreen dat die leertyd uitge- dien moet word onder die persoonlike toesig van die meester in die hospitaal wat hierin gemeld is.

Die meester onderneem hierby en verbind hom om al die handelinge en dinge wat die werkgewer onderneem het om deur die meester te laat doen, te doen en te verrig, asook al die handelinge en dinge wat die meester ingevolge hierdie ooreenkoms moet doen.

Die werkgewer, die meester en die leerling (en sy/haar voog)(1) het hierdie kontrak sorgvuldig geles en te kenne gegee dat hulle die inhoud daarvan volkome verstaan.

Ten bewyse waarvan die kontrakterende partye hulle handtekeninge hieraan geheg het op hede die _____ dag van _____ 19____.

GETUIES:

(1) _____	_____
(2) _____	Werkgewer.
(1) _____	_____
(2) _____	Meester.
(1) _____	_____
(2) _____	Leerling.
(1) _____	_____
(2) _____	Voog.(1)

ONTHEFFING.

(Moet ingevul word wanneer die leerling sy/haar leertyd ingevolge hierdie kontrak deurgemaak het.)

Hierby word verklaar dat die hierin genoemde _____ sy/haar volle leertyd ingevolge hierdie kontrak deurgemaak het, op hede die _____ dag van _____ 19____.

Meester.

(1) Indien die leerling meerderjarig is, skrap verwysing na voog.

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

Kontrak geregistreer vanaf _____ 19____.

Registrateur.

19____

BYLAE C.

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

LEERLINGKONTRAK.

Nademaal(1) _____ hom/haar as 'n leerling vir die Aptekers- beroep wil laat inskryf en nademaal hy/sy ooreenkomstig reël 14 of reël 14 bis (na gelang van die geval) van die reëls in daardie verband bevoeg is om as leerling in te skryf, en nademaal(2) _____ bereid is om genoemde(1) _____ as 'n leerling vir 'n tydperk van TWEE JAAR aan te neem.

So is dit dat hierdie inboeking, gemaak op hede die(3) _____ dag van _____ 19____ tussen (4) _____ apteker van (5) _____ hieronder genoem die meester en (6) _____ van _____ hieronder genoem die leerling, wat 'n meerderjarige/seun/dogter/pleegkind(4) is van _____ hieronder genoem die voog, met die toestemming van genoemde voog as borg van genoemde leerling.

Getuig: Dat genoemde leerling uit eie vrye beweging en met die toe- stemming van genoemde voog(5) hom/haar hierby verbind om vir 'n tydperk van twee jaar met ingang van _____ onder genoemde meester as leerling te dien om hom/haar in die aptekersbedryf en -beroep te bekwaam; en genoemde voog(6) en genoemde leerling kom hierby met genoemde meester ooreen dat genoemde leerling gedurende genoemde tydperk genoemde meester en diegene wat oor hom/haar aangestel mag word eerlik, getrou en ywerig sal dien en gehoorsaam, en nie die ge- heime van genoemde meester of die name of sake van sy klante sal openbare nie, of nie sonder die meester se toestemming afskrifte van enige papiere of boeke wat aan hom behoort sal maak nie, of nie genoemde meester se eiendom sal vermors of beskadig of benadeel of laat vermors of beskadig of benadeel nie, en nie sonder verlof uit genoemde meester se diens sal wegbly nie; en dat hy/sy gedurende sy/haar leertyd 500 preskripsies onder die beheer en toesig van die meester sal berei en opmaak. Indien hierdie aantal preskripsies nie in die gewone loop van sake in die apteek berei en opgemaak word nie, moet die balans deur die meester uitgeskryf word. Vyftig van die 500 preskripsies wat deur die leerling berei en opgemaak word, moet bestaan uit sekere gespesifiseerde soorte wat van tyd tot tyd deur die Kommissie vasgestel word; en die leerling moet besonderhede van die 500 bereide en opgemaakte preskripsies aanteken in 'n boek wat vir die doel gehou word, en van die meester 'n sertifikaat verkry waarin verklaar word dat hulle op bevredigende wyse berei en opgemaak is; en hy/sy moet hierdie boek gedurende die hele leertyd bewaar en by die Registrateur van die Kommissie indien om te hou wanneer hierdie kontrak uitgevoer is.

The apprentice and the guardian further covenant with the said master that during the said term the said apprentice shall diligently apply himself to the study of such matters as Forensic Pharmacy and elementary principles of Commerce as the Board may determine, and do exercises therein as directed by his master, and if he is not already in possession of a valid certificate of proficiency in First Aid awarded to him by the South African Red Cross Society, Die Noodhulppliga or the St. John Ambulance Association, shall attend an approved course of study and examination in First Aid and shall produce a valid certificate of proficiency before the termination of this contract for inspection by the Board.

In consideration whereof the said master covenants with the said guardian (°) and with the said apprentice that he, the said master, shall during the said term take and receive as his apprentice the said apprentice, and shall to the best of his knowledge and ability teach and instruct him/her in the art, trade and business of a chemist and druggist, and all things incidental thereto; and shall provide the equipment mentioned in the form appearing as Annexure B to these rules and the material necessary for the proper training of the apprentice in practical pharmacy and dispensing and shall provide 500 prescriptions to be compounded and dispensed by the apprentice; and shall certify each and all of the 500 prescriptions referred to above in the apprentice's book as being satisfactorily compounded and dispensed by the apprentice as laid down by the Board during the period of apprenticeship; and shall send the said book to the Registrar of the Board for inspection from time to time when called upon by the Registrar so to do. If this number of prescriptions be not compounded and dispensed in the ordinary course of business in the pharmacy, the master undertakes to draft the balance to make up the required number. He shall also pay to the said apprentice salary at the rates and in the manner following; this is to say during—

the first year of the said term the sum of (°) _____
per month; during

the second year of the said term the sum of (°) _____
per month,

or such higher wages as may be laid down from time to time under the Wage Act, such sums to be paid monthly on the last day of each month; and the said master shall give the apprentice as many consecutive days as holidays as is laid down from time to time under the Wage Act in respect of each year of the said term; and further the said master shall during and on completion of the said term provide the said apprentice with such certificates as may be required to enable him/her to enter for the examination for chemists and druggists of the South African Pharmacy Board.

The master further undertakes to instruct the apprentice in such matters as Forensic Pharmacy and elementary principles of Commerce, in accordance with directions supplied to him by the Board from time to time, and shall require the apprentice to produce for the inspection of the Board, before the termination of the period of the contract a valid certificate of proficiency in First Aid given by the South African Red Cross Society, Die Noodhulppliga or the St. John Ambulance Association.

Provided, and it is mutually agreed and understood that if the master shall at any time during the said term decide to discontinue his said practice in the Republic he shall not be liable for compensation either in money or other consideration whatsoever to the apprentice, or his heirs, executors or administrators, but he shall, if desired so to do by the apprentice, assign his contract of apprenticeship to some other fit and proper person practising the same profession in the Republic and moreover shall, so far as lies in his power, endeavour to find some such other chemist and druggist approved by the Board who shall be willing to accept the services of the apprentice, for the remainder of the said term.

It is further agreed between all the parties to this contract that—

(a) if the apprentice shall absent himself/herself from the pharmacy in which he/she is registered on any working day other than (i) those days authorised by the master as vacation days, which vacation days shall not be in excess of those prescribed by any law applicable to the case or (ii) those days authorised by the Master as sick leave not exceeding 24 days in a cycle of two years, or (iii) those days spent on compulsory military training, the Master shall report the matter to the Board and the apprentice shall be required to serve an additional day of apprenticeship for each such day of absence, after the day on which this contract would normally expire, before the contract can be considered as having been completed;

(b) no period of apprenticeship served under this contract shall be recognised if the contract is cancelled for any reason.

No premium or other material consideration shall be payable by or on behalf of an apprentice to the chemist and druggist in respect of any apprenticeship and proof of payment of any such premium or other material consideration shall invalidate the contract.

It is further expressly agreed between the parties that this apprenticeship shall be served under the personal supervision and control of the master or some other chemist and druggist duly nominated by him in terms of rule 4 of the rules relating to the registration of contracts of apprenticeship, in the pharmacy named herein.

Both the Master and the apprentice [and his/her (°) guardian] have carefully read and acknowledged that they fully understand the contents of this contract.

Die leerling en die voog kom verder met genoemde meester ooreen dat genoemde leerling gedurende die genoemde tydperk hom sal beywer in die studie van Geregtelike Farmasie en die elementêre beginsels in die handel, soos deur die Kommissie neergelê, en oefeninge daarin doen soos deur die meester bepaal, en indien hy nie alreeds in besit is van 'n geldige sertifikaat van bevoegdheid in Noodhulp wat deur die S.A. Rooikruisvereniging, Die Noodhulppliga of die St. John-ambulansvereniging uitgereik is nie, hy 'n goedgekeurde studiekursus in Noodhulp sal volg en eksamen daarin aflê en 'n geldige sertifikaat van bevoegdheid, voor die verstryking van hierdie kontrak, aan die Kommissie sal voorlê.

As teenprestasie hiervoor kom genoemde meester met genoemde leerling en met genoemde voog(°) ooreen dat hy, genoemde meester, gedurende genoemde tydperk genoemde leerling as sy leerling sal aanneem en hom/haar na sy beste kennis en vermoë in die aptekersbedryf en -beroep en alles wat daaraan verbonde is, sal onderrig en oplei; en dat hy die uitrusting wat genoem is in die vorm wat as Bylae B by hierdie reëls verskyn en die nodige materiaal vir die behoorlike opleiding van die leerling in praktiese farmasie en die opmaak van preskripsies sal verskaf; en dat hy die leerling van 500 preskripsies sal voorsien wat deur die leerling berei en opgemaak moet word; en dat hy in die boek van die leerling sal sertifiseer dat iedereen van bogenoemde 500 preskripsies op bevredigende wyse berei en opgemaak is soos deur die Kommissie gedurende die leertyd vasgestel, en dat hy van tyd tot tyd wanneer deur die Registrateur daartoe versoek die boek by die Registrateur van die Suid-Afrikaanse Aptekerskommissie sal indien vir inspeksie. Indien hierdie aantal preskripsies nie in die gewone loop van sake in die apteek berei en opgemaak word nie, onderneem die meester om die balans vir die vereiste aantal uit te skryf; en dat hy genoemde leerling ook op onderstaande wyse en teen onderstaande skale sal besoldig; d.w.s. gedurende die—

eerste jaar van genoemde tydperk 'n bedrag van (°) _____
per maand;

tweede jaar van genoemde tydperk 'n bedrag van (°) _____
per maand;

of enige hoër besoldiging wat van tyd tot tyd ingevolge die Loonwet bepaal word;

sulke bedrae moet maandeliks op die laaste dag van elke maand betaal word; en genoemde meester moet die leerling verder gedurende elke jaar van genoemde tydperk soveel opeenvolgende dae vakansie gee as wat van tyd tot tyd ingevolge die Loonwet bepaal word; en gedurende en by verstryking van genoemde tydperk moet genoemde meester genoemde leerling van die nodige sertifikate voorsien om laasgenoemde in staat te stel om hom/haar vir die aptekerseksamen van die Suid-Afrikaanse Aptekerskommissie te laat inskryf.

Die meester onderneem verder om die leerling op te lei in sake soos Geregtelike Farmasie en die elementêre beginsels in die handel, ooreenkomstig die voorskrifte wat die Kommissie van tyd tot tyd aan hom verstrek, en dat hy voor die verstryking van die tydperk van die kontrak 'n geldige sertifikaat van sy bevoegdheid in Noodhulp, wat deur die Suid-Afrikaanse Rooikruisvereniging, Die Noodhulppliga of die St. John-ambulansvereniging uitgereik is aan die Kommissie vir inspeksie sal voorlê.

Met dien verstande—en dit word onderling ooreengekom en verstaan—dat indien die meester te eniger tyd gedurende genoemde tydperk besluit om sy praktyk in die Republiek neer te lê, hy nie vir vergoeding of in geld, of enige ander teenprestasie aan die leerling, of sy/haar erfgename, eksekuteurs of beredderaars aanspreeklik is nie, maar indien die leerling dit verlang, moet hy hierdie leerlingkontrak oordra op 'n ander bevoegde persoon wat dieselfde beroep in die Republiek beoefen, en verder moet hy, sover dit in sy vermoë is, trag om 'n ander apteker te vind wat die goedkeuring van die Kommissie wegdra en wat bereid is om die dienste van die leerling vir die res van genoemde tydperk aan te neem.

Al die partye by hierdie kontrak kom verder ooreen dat—

(a) indien die leerling wegbly van die apteek waarin hy/sy geregistreer is op enige ander werksdag as (i) die dae deur sy/haar meester gemagtig as vakansiedae, en hierdie vakansiedae mag nie die dae voorgeskryf by 'n wet wat van toepassing is op die geval, oorskry nie, of (ii) die dae gemagtig deur die meester as siekteverlof wat nie 24 dae oorskry in elke kringloop van twee jaar nie, of (iii) die dae wat die leerling in verpligte militêre opleiding deurgebring het, moet die meester die saak by die Kommissie rapporteer en dit sal dan vir die leerling nodig wees om 'n addisionele dag van vakleerlingskap uit te dien vir elke dag van sodanige afwesigheid na die dag waarop hierdie kontrak in gewone omstandighede sou verval, voordat die kontrak as uitgevoer beskou kan word;

(b) geen tydperk wat onder hierdie kontrak uitgedien is, word erken indien die kontrak om enige rede gekanselleer word nie.

Geen leergeld of ander stoflike teenprestasie vir die leertyd mag deur of ten behoeve van 'n leerling aan 'n apteker betaal word nie, en as daar bewys gelewer word dat sulke leergeld of ander stoflike teenprestasie betaal is, is die kontrak ongeldig.

Die partye kom verder uitdruklik ooreen dat die leertyd uitgedien moet word onder die persoonlike toesig en beheer van die meester in die apteek wat in die kontrak vermeld is, of sodanige ander apteker deur hom benoem ooreenkomstig reël 4 van die Reëls wat betrekking het tot die registrasie van aptekersleerlingkontrakte.

Die meester sowel as die leerling(°) en sy/haar voog het hierdie kontrak sorgvuldig gelees en te kenne gegee dat hulle die inhoud daarvan volkome verstaan.

In witness whereof the contracting parties have hereunder set their hands at _____ on the _____ day of _____ 19____.

As witnesses:

(1) _____
(2) _____ Master.
(1) _____
(2) _____ Guardian. (1)
(1) _____
(2) _____ Apprentice.

DISCHARGE.

(To be filled in on completion by the apprentice of the terms of his/her apprenticeship under this agreement.)

This is to certify that the within named _____ has completed his/her full term of apprenticeship under this agreement, this _____ day of _____, 19____.

Master.

- (1) Full name of apprentice.
(2) Full name of Master.
(3) Date of agreement.
(4) Name of pharmacy.
(5) If a major delete all reference to guardian.
(6) Rate of wages in accordance with Wage Act.

THE SOUTH AFRICAN PHARMACY BOARD.

Contract registered as commencing from _____, 19____.

Registrar.

FORM OF CESSION.

Cession of Contract of Apprenticeship between (1) _____ (master) and (2) _____ (apprentice).

I, (1) _____ the master aforementioned hereby cede and assign all my rights and obligations under the above contract of apprenticeship to (3) _____ of _____ as from _____.

We, (2) _____ and (4) _____ the apprentice and his guardian, agree to this cession; and I, the said (5) _____ agree to accept this cession and to fulfil all the obligations thereof to all intents and purposes as if my name appeared in the said contract of apprenticeship as the master.

Dated at _____ this _____ day of _____, 19____.

As witnesses:

(1) _____
(2) _____ Master.
(1) _____
(2) _____ Apprentice.
(1) _____
(2) _____ Guardian.
(1) _____
(2) _____ Cessionary.

This cession must be submitted to the Board for registration within three months of taking effect.

- (1) Name of master.
(2) Full name of apprentice.
(3) Full name of cessionary and address of pharmacy.
(4) Full name of guardian.
(5) Name of cessionary.

No. R. 666.]

[10 May 1963.]

The Minister of Health, in exercise of the powers conferred upon him by sub-section (4) of section ninety-four of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules made by the South African Pharmacy Board under sub-section (2) of the said section of the Act in substitution for the rules published under Government Notice No.

Ten bewyse waarvan die kontrakterende partye hul handtekeninge hieraan geheg het te _____ op hede die _____ dag van _____ 19____.

GETUIES:

(1) _____
(2) _____ Meester.
(1) _____
(2) _____ Voog. (2)
(1) _____
(2) _____ Leerling.

ONTHEFFING.

(Moet ingevul word wanneer die leerling sy/haar leertyd ingevolge hierdie kontrak deurgemaak het.)

Hierby word verklaar dat die hierin genoemde _____ sy/haar volle leertyd ingevolge hierdie kontrak deurgemaak het, op hede die _____ dag van _____ 19____.

Meester.

- (1) Naam van leerling voluit.
(2) Naam van Meester voluit.
(3) Datum van ooreenkoms.
(4) Naam van apteek.
(5) Indien 'n meerderjarige skrap alle verwysing na voog.
(6) Skaal van salaris in ooreenstemming met die Loonwet.

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

Kontrak geregistreer vanaf _____, 19____.

Registrateur.

VORM VAN OORDRAG.

Oordrag van leerlingkontrak tussen (1) _____ (meester) en (2) _____ (leerling).

Ek, (1) _____, voormelde meester, dra hierby al my regte en verpligtinge ingevolge bostaande kontrak oor op en staan hulle af aan (2) _____, van _____ vanaf _____.

Ons, (3) _____ en (4) _____ die leerling en sy voog neem hierdie oordrag aan; en ek, genoemde (5) _____, kom ooreen om hierdie oordrag te aanvaar en om al die verpligtinge daarvan na te kom so goed asof my naam as die meester in genoemde leerlingkontrak verskyn.

Gedateer te _____, op hede die _____ dag van _____, 19____.

GETUIES:

(1) _____
(2) _____ Meester.
(1) _____
(2) _____ Leerling.
(1) _____
(2) _____ Voog.
(1) _____
(2) _____ Oordragontvanger.

Hierdie oordrag moet, binne drie maande nadat dit van krag geword het, by die Kommissie vir registrasie ingedien word.

- (1) Naam van meester.
(2) Volle naam van leerling.
(3) Volle naam van oordragontvanger en adres van apteek.
(4) Volle naam van voog.
(5) Naam van oordragontvanger.

No. R. 666.]

[10 Mei 1963.]

Die Minister van Gesondheid het in uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel vier-en-negentig van die Wet op Geneeshere, Tandartse en Aptekers, 1928 (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls wat deur die Suid-Afrikaanse Aptekerskommissie ingevolge subartikel (2) van genoemde artikel van die Wet opgestel is ter vervanging van die reëls

1253 of 14th August, 1959, as amended by Government Notices No. 1772 of 4th November, 1960, No. 8 of 5th January, 1962, and No. 1281 of 10th August, 1962.

RULES AND MINIMUM CURRICULUM FOR THE BOARD'S DIPLOMA IN PHARMACY.

1. The examinations to be held by the Board for its Diploma in Pharmacy shall consist of:—

- A. The Intermediate Examination.
- B. The Qualifying Examination, Part I.
- C. The Qualifying Examination, Part II.

The examinations shall be held once a year in the last quarter of the year, on dates to be determined by the Board, at centres to be determined by the Board where, in the opinion of the Board sufficient numbers of candidates will present themselves for examination and suitable laboratory facilities are available; provided that candidates who have failed in one subject in the Intermediate Examination or in one or two subjects in Part I of the Qualifying Examination may present themselves for re-examination in that subject or those subjects at a supplementary examination to be held not later than April of each year at such centre or centres as the Board may determine, or at any subsequent examination conducted by the Board. The supplementary examinations may be conducted as oral examinations at the discretion of the Board.

2. The scope of the examinations shall be in accordance with the syllabus set out in Appendix A of these rules and candidates shall be examined in the following subjects:—

INTERMEDIATE EXAMINATION.

- Botany.*—Theory, 3-hour paper. Practical, 3-hour paper.
Chemistry.—Theory, 3-hour paper. Practical, 4-hour paper.
Physics.—Theory, 3-hour paper. Practical, 3-hour paper.
Zoology.—Theory, 3-hour paper. Practical, 3-hour paper.

QUALIFYING EXAMINATION, PART I.

- Pharmacology and Physiology.*—Theory, 3-hour paper. Written/Practical, 2-hour paper.
Forensic Pharmacy.—3-hour paper.
Pharmacognosy.—Theory, 3-hour paper. Practical, 3-hour paper.
Chemistry and Pharmaceutical Chemistry.—Theory, 3-hour paper. Practical, 6-hour paper.

QUALIFYING EXAMINATION, PART II.

- Chemistry and Pharmaceutical Chemistry.*—Theory, two 3-hour papers. Practical, two 6-hour papers.
Pharmaceutics.—Two 3-hour papers.
Pharmaceutics.—Practical, two 6-hour papers.

NOTE.—Pharmaceutics and Practical Pharmaceutics will be treated as separate subjects for examination purposes.

3. The course of study for the Intermediate Examination, Part I of the Qualifying Examination, and Part II of the Qualifying Examination respectively shall be one academic year of full-time study at a recognised training institution.

4. The examinations shall be conducted in each subject by at least two examiners, one of whom shall not have taken part in the teaching of candidates in the subject.

4 *bis*. Internal examinations shall be held twice yearly by internal examiner or examiners appointed by the Board at the training institution at which the candidate is undergoing his course of study.

uitgevaardig ingevolge Goewermentskennisgewing No. 1253 van 14 Augustus 1959 soos gewysig deur Goewermentskennisgewings No. 1772 van 4 November 1960, No. 8 van 5 Januarie 1962 en No. 1281 van 10 Augustus 1962:—

REËLS EN MINIMUM LEERPLAN VIR DIE KOMMISSIE SE DIPLOMA IN FARMASIE.

1. Die eksamens wat deur die Kommissie afgeneem sal word vir sy Diploma in Farmasie, bestaan uit:—

- A. Die Intermediêre Eksamen.
- B. Die Kwalifiserende Eksamen, Deel I.
- C. Die Kwalifiserende Eksamen, Deel II.

Die eksamens word eenmaal per jaar in die laaste kwartaal van die jaar afgeneem op datums wat deur die Kommissie vasgestel word en op sentrums wat die Kommissie vasstel, wanneer 'n voldoende aantal kandidate na die Raad se mening hulle vir die eksamen sal aanmeld en waar daar geskikte laboratoriumfasiliteite bestaan: Met dien verstande dat kandidate wat in een vak in die Intermediêre Eksamen of in een of twee vakke in Deel I van die Kwalifiserende Eksamen gedruip het, hulle vir hereksamens in daardie vak of vakke kan aanmeld by 'n aanvullings-eksamen wat elke jaar in April gehou word op die sentrum of sentrums wat die Kommissie vasstel of by enige daaropvolgende eksamen wat deur die Kommissie afgeneem word.

Die aanvullingsksamens kan as mondelingse eksamens volgens die Kommissie se oordeel afgeneem word.

2. Die bestek van die eksamens moet in ooreenstemming wees met die leerplan wat in Aangangsel „A” van hierdie reëls uiteengesit is, en kandidate moet in die volgende vakke eksamen aflê:—

INTERMEDIÊRE EKSAMEN.

- Plantkunde.*—Teorie, vraestel van 3 uur. Prakties, vraestel van 3 uur.
Skeikunde.—Teorie, vraestel van 3 uur. Prakties, vraestel van 4 uur.
Fisika.—Teorie, vraestel van 3 uur. Prakties, vraestel van 3 uur.
Dierkunde.—Teorie, vraestel van 3 uur. Prakties, vraestel van 3 uur.

KWALIFISERENDE EKSAMEN, DEEL I.

- Farmakologie en Fisiologie.*—Teorie, vraestel van 3 uur. Skriftelik/Prakties, vraestel van 2 uur.
Geregtelike Farmasie.—Vraestel van 3 uur.
Farmakognosie.—Teorie, vraestel van 3 uur. Prakties, vraestel van 3 uur.
Skeikunde en Farmaseutiese Skeikunde.—Teorie, vraestel van 3 uur. Prakties, vraestel van 6 uur.

KWALIFISERENDE EKSAMEN, DEEL II.

- Skeikunde en Farmaseutiese Skeikunde.*—Teorie, twee vraestelle van 3 uur. Prakties, twee vraestelle van 6 uur.
Farmaseutika.—Twee vraestelle van 3 uur.
Farmaseutika.—Prakties, twee vraestelle van 6 uur.

LET WEL.—Farmaseutika en Praktiese Farmaseutika sal as aparte onderwerpe vir eksamendoeleindes behandel word.

3. Die studiekursus vir die Intermediêre Eksamen Deel I van die Kwalifiserende Eksamen en Deel II van die Kwalifiserende Eksamen, is onderskeidelik een akademiese jaar van voltydse studie aan 'n erkende opleidingsinrigting.

4. Die eksamens in elke vak word deur minstens twee eksaminatore afgeneem, en een van hulle mag nie aan die onderrig van kandidate in die vak deelgeneem het nie.

4 *bis*. Interne eksamens sal twee keer per jaar afgeneem word deur 'n interne eksaminator of eksaminatore, wat deur die Kommissie by die opleidingsinrigting waar die kandidaat sy studiekursus volg, aangestel is.

5. In computing the marks obtained by a candidate the internal examination marks obtained by the candidate in terms of rule 4 *bis supra* shall be included in the final marks awarded to the candidate. The minimum marks required to be obtained by a candidate for a pass in a subject shall be as follows:—

- (a) *Intermediate Examination*.—Botany, Chemistry, Physics, Zoology: 33½ per cent of the possible marks in the Board's theory and practical papers respectively, namely at an external examination; provided that after combining the candidate's marks obtained at the external examinations with those obtained at the internal, the minimum required for a pass shall be 40 per cent.
- (b) *Qualifying Examination*.
 - (i) Chemistry, Physiology and Pharmacology: 33½ per cent of the possible marks in the Board's theory and practical papers respectively; provided that after combining the candidate's marks obtained at the external examinations with those obtained at the internal, the minimum required for a pass shall be 40 per cent.
 - (ii) Pharmaceutics, Practical Pharmaceutics, Forensic Pharmacy: 50 per cent of the possible marks in the subject, inclusive of the internal and the external examinations.
 - (iii) Pharmacognosy: 40 per cent of the possible marks in the Board's theory and practical papers respectively; provided that after combining the candidate's marks obtained at the external examinations with those obtained at the internal, the minimum required for a pass shall be 50 per cent.

Provided that the internal examination marks for Practical Physiology and for tests of sterility in Practical Pharmaceutics may be utilised by the Board at its discretion as the final marks to be awarded to a candidate in these subjects.

Provided further that a candidate who attended the prescribed course of study before 1960 and has not been required by the Board to attend a further course of study may be passed, failed or referred for further study on the marks obtained by him in the external examination.

INTERMEDIATE EXAMINATION.

6. No candidate shall be admitted to the Intermediate Examination unless he is in possession of the Matriculation Certificate of the Joint Matriculation Board, or a certificate of exemption from that examination, with proof of having passed examinations of Matriculation standard in Mathematics and one of the Science subjects Botany, Chemistry, Physics, Zoology, Biology or Physical Science.

7. Candidates desiring to enter for the Intermediate Examination shall apply in writing to the Registrar of the Board at the Board's office in Pretoria on or before the first day of September. No late entries will be considered. The application must state the full name and address of the candidate, the name of the recognised training institution at which he underwent his studies, and the centre at which he desires to be examined and must be accompanied by—

- (a) a certificate from a recognised training institution that the candidate attended at least 80 per cent of the classes of a full-time course of study covering one academic year and satisfactorily completed the work of those classes;
- (b) proof of compliance with rule 6;
- (c) the examination fee of R21.

8. The Board may grant exemption from further examination in all subjects or any particular subject of the Intermediate Examination to the holder of a degree, diploma or certificate relating to such subjects or particular subject granted after examination by an examining authority recognised by the Board, which in the opinion

5. By die berekening van die punte deur 'n kandidaat behaal, word die interne eksamenpunte deur die kandidaat behaal ooreenkomstig reël 4 *bis supra* ingesluit by die finale punte aan die kandidaat toegeken. Die minimum punte wat deur 'n kandidaat behaal moet word om in 'n vak te slaag, is soos volg:—

- (a) *Intermediêre eksamen*.—Plantkunde, Skeikunde, Fisika, Dierkunde: 33½ Persent van die moontlike punte in onderskeidelik die Kommissie se teoretiese en praktiese vraestelle, naamlik by 'n eksterne eksamen, met dien verstande dat nadat die kandidaat se punte behaal in die eksterne eksamen, met dié behaal in die interne eksamen, gekombineer is, die minimum vereiste slaagpunt 40 persent is.
- (b) *Kwalifiserende eksamen*.
 - (i) Skeikunde, Fisiologie en Farmakologie: 33½ persent van die moontlike punte in onderskeidelik die Kommissie se teoretiese en praktiese vraestelle, met dien verstande dat nadat die kandidaat se punte behaal in die eksterne eksamen met dié behaal in die interne eksamen, gekombineer is, die minimum vereiste slaagpunt 40 persent is.
 - (ii) Farmaseutika, Praktiese Farmaseutika, Gereguleerde Farmasie: 50 Persent van die moontlike punte in die vak, insluitende die interne en eksterne eksamen.
 - (iii) Farmakognosie: 40 Persent van die moontlike punte in onderskeidelik die Kommissie se teoretiese en praktiese vraestelle, met dien verstande dat nadat die kandidaat se punte behaal in die eksterne eksamen, met dié behaal in die interne eksamen, gekombineer is, die minimum vereiste slaagpunt 50 persent is.

Met dien verstande dat die interne eksamenpunte vir Praktiese Fisiologie en vir steriliteitstoetse in Praktiese Farmaseutika deur die Kommissie volgens sy oordeel gebruik kan word as die finale punte toeken aan 'n kandidaat in hierdie vakke.

Met dien verstande verder dat 'n kandidaat wat die voorgeskrewe studiekursus voor 1960 bygewoon het en wat nie deur die Raad verwag word om 'n verdere studiekursus by te woon nie, kan slaag of druipe of vir verdere studie verwys kan word op grond van die punte deur hom in die eksterne eksamen behaal.

INTERMEDIÊRE EKSAMEN.

6. Geen kandidaat word tot die Intermediêre Eksamen toegelaat nie tensy hy in besit is van die Matrikulasiesertifikaat van die Gemeenskaplike Matrikulasieraad van Suid-Afrika, of 'n vrystellingsertifikaat vir daardie eksamen, met bewys dat hy eksamens van 'n Matrikulasiestandaard in Matesis en een van die Wetenskaplike vakke, Plantkunde, Dierkunde, Biologie of Fisiese Wetenskap geslaag het.

7. Kandidate wat hulle vir die Intermediêre Eksamen wil laat inskryf, moet voor of op die eerste dag van September skriftelik by die Registrateur van die Kommissie by die Kommissie se kantoor in Pretoria aansoek doen om toelating tot die eksamen. Geen laat inskrywings sal oorweeg word nie. Die aansoek moet die volle naam en adres van die kandidaat meld asook die naam van die erkende opleidingsinrigting waar hy gestudeer het en die sentrum waar hy die eksamen wil aflê, en moet vergesel gaan van—

- (a) 'n sertifikaat van 'n erkende opleidingsinrigting dat die kandidaat minstens 80 persent van die klasse van 'n voltydse studiekursus wat oor een akademiese jaar strek, bygewoon het en die werk van daardie klasse bevredigend voltooi het;
- (b) bewys van voldoening aan reël 6;
- (c) die eksamengeld van R21.

8. Die Kommissie kan vrystelling verleen van verdere eksamen in alle vakke of 'n bepaalde vak van die Intermediêre Eksamen aan die besitter van 'n graad, diploma of sertifikaat ten opsigte van sodanige vakke of bepaalde vak wat na 'n eksamen toegeken is deur 'n eksaminerende liggaam wat deur die Kommissie erken word, en wat na die

of the Board indicates a standard of training and knowledge in such subjects or particular subject not less than that required by the Board in the case of candidates for the Intermediate Examination.

The person to whom such whole or partial exemption may be granted shall pay the full fee required to be paid by candidates for the Intermediate Examination.

Provided that this fee shall not apply to such exemption granted to the holders of certificates who obtained credits in the first year courses of a university in the Republic, in which case the fee shall be R4.

9. A candidate for the Intermediate Examination shall, on first admission, or (in the event of failure in more than one subject) on application for re-examination, present himself for examination in all subjects, and, in each case, shall pay the full examination fee. Should he fail in one subject only, the Board may refer him for further study in that subject only, and in such case, the fee for re-examination shall be R6.30.

QUALIFYING EXAMINATION.

PART I.

10. A candidate desiring to enter for Part I of the Qualifying Examination for the Diploma in Pharmacy, shall apply in writing to the Registrar of the Board, at the Board's office in Pretoria, on or before the first day of September for admission to the examination. No late entries will be considered. The application must state—

- (a) the candidate's full name and address;
- (b) the centre at which he wishes to be examined;
- (c) the name and address of the Chemist and Druggist to whom he was apprenticed;
- (d) the date on which he passed the Intermediate Examination or the date and reference number of his certificate of exemption from that examination.

The application must be accompanied by the examination fee of R20, and a certificate of having satisfactorily attended at least 80 per cent of the classes of the prescribed course of study as set out in these rules covering one academic year at a recognised training institution after having passed the Intermediate Examination or having been exempted therefrom: Provided that a student who has qualified for a supplementary examination in one subject may commence his Part I course in anticipation of his passing that examination.

11. No candidate will be admitted to the Qualifying Examination, Part I, unless he has completed an apprenticeship of not less than two years to a chemist and druggist to the satisfaction of the Board.

12. No candidate will be admitted to the Qualifying Examination, Part I, unless he has passed all of the subjects of the Intermediate Examination or has been exempted therefrom.

12 bis. A candidate for Part I of the Qualifying Examination shall present himself for examination in all subjects and shall pay the full examination fee. Should he fail in one or in two subjects only he may be referred for further study in that subject or those subjects and the fees for re-examination shall be R6.50 for one subject and R8.50 for two subjects.

QUALIFYING EXAMINATION.

PART II.

13. A candidate for admission to Part II of the Qualifying Examination for the Diploma in Pharmacy shall apply in writing to the Registrar of the Board, at the Board's office in Pretoria, on or before the first day of September for admission to the examination. No late entries will be considered. The application must state—

- (1) the candidate's full name and address;
- (2) the date on which he passed Part I of the Qualifying Examination;

mening van die Kommissie 'n standaard van opleiding in en kennis van sodanige vakke of bepaalde vak aandui wat nie laer is nie as dié wat deur die Kommissie van kandidate vir die Intermediêre Eksamen vereis word.

Die persoon aan wie dié algehele of gedeeltelike vrystelling verleen word, moet die volle eksamengelde betaal wat van kandidate vir die Intermediêre Eksamen vereis word.

Met dien verstande dat hierdie eksamengelde nie van toepassing is nie op sodanige vrystelling wat verleen is aan die besitters van bewyse van vakke geslaag gedurende die eerstejaarskursusse van 'n universiteit in die Republiek, in welke geval die eksamengelde R4 is.

9. 'n Kandidaat vir die Intermediêre Eksamen moet hom by die eerste toelating of (as hy in meer as een vak gedruip het) by aansoek om hereksamen, vir eksamen in alle vakke aanmeld en in elke geval moet hy die volle eksamengelde betaal. As hy slegs in een vak druipt, kan die Kommissie hom vir verdere studie in daardie vak alleen terugverwys, en in daardie geval is die hereksamengeld R6.30.

KWALIFISERENDE EKSAMEN.

DEEL I.

10. 'n Kandidaat wat hom vir Deel I van die Kwalifiserende Eksamen vir die Diploma in Farmasie wil laat inskryf, moet voor of op die eerste dag van September skriftelik by die Registrateur van die Kommissie by die Kommissie se kantoor in Pretoria aansoek doen om toelating tot die eksamen. Geen laat inskrywings sal oorweeg word nie. Die volgende gegewens moet in die aansoek verstrek word—

- (a) die kandidaat se volle naam en adres;
- (b) die sentrum waar die kandidaat verlang om die eksamen af te lê;
- (c) die naam en adres van die apteker by wie hy in die leer was;
- (d) die datum waarop hy in die Intermediêre Eksamen geslaag het of die datum en verwysingsnommer van sy vrystellingsertifikaat van daardie eksamen.

Die aansoek moet vergesel gaan van die eksamengeld van R20 en 'n sertifikaat dat die kandidaat op bevredigende wyse minstens 80 persent van die klasse van die voorgeskrewe studiekursus soos in hierdie reëls uiteengesit aan 'n erkende opleidingsinrigting gedurende een akademiese jaar bygewoon het nadat hy in die Intermediêre Eksamen geslaag het of daarvan vrygestel is: Met dien verstande dat 'n student wat vir 'n aanvullingseksamen in een vak gekwalifiseer het, sy Deel I-kursus kan begin in afwagting van 'n slaagpunt in daardie eksamen.

11. Geen kandidaat word tot die Kwalifiserende Eksamen, Deel I, toegelaat nie, tensy hy 'n leertyd van minstens twee jaar tot tevredenheid van die Kommissie by 'n apteker voltooi het.

12. Geen kandidaat word tot die Kwalifiserende Eksamen, Deel I, toegelaat nie alvorens hy in al die vakke van die Intermediêre Eksamen geslaag het of daarvan vrygestel is.

12 bis. 'n Kandidaat vir die Kwalifiserende Eksamen, Deel I, moet hom vir eksamen in al die vakke aanmeld en moet die volle eksamengeld betaal. Indien hy slegs in een of twee vakke druipt, mag hy vir verdere studie in daardie vak of vakke terugverwys word en die gelde vir hereksamen sal R6.50 vir een vak en R8.50 vir twee vakke wees.

KWALIFISERENDE EKSAMEN.

DEEL II.

13. 'n Kandidaat vir toelating tot Deel II van die Kwalifiserende Eksamen vir die Diploma in Farmasie moet voor of op die eerste dag van September skriftelik by die Registrateur van die Kommissie by die Kommissie se kantoor in Pretoria aansoek doen om toelating tot die eksamen. Geen laat inskrywings sal oorweeg word nie. In die aansoek moet die volgende gegewens verstrek word—

- (1) die kandidaat se volle naam en adres;
- (2) die datum waarop hy in Deel I van die Kwalifiserende Eksamen geslaag het;

(3) the centre at which he wishes to be examined; and must be accompanied by—

(a) a certificate from a recognised training institution of having satisfactorily attended at least 80 per cent of the classes of the prescribed course of study, covering one academic year after having passed the Part I examination: Provided that a candidate who has qualified for a supplementary examination in the Part I examination may commence the course for Part II in anticipation of his passing that examination;

(b) the examination fee of R25.

14. If a candidate is successful in Part II of the Qualifying Examination and has not attained the age of 21 years his diploma shall be withheld until he has attained the age of 21 years.

15. A candidate for Part II of the Qualifying Examination for the Diploma in Pharmacy shall, on first admission, or (in the event of failure in more than one subject) on application for re-examination, present himself for examination in all subjects and in each case shall pay the full examination fee. Should he fail in one subject only, the Board may refer him for further study in that subject only, and, in such case, the fee for such re-examination shall be R12.60.

16. The Board may grant exemption from further examination in any one subject of Part I or Part II of the Qualifying Examination to the holder of a degree, diploma or certificate of an examining authority recognised by the Board, which in the opinion of the Board indicates a standard of training and knowledge in that subject not less than that required by the Board in the case of candidates for that part of the Qualifying Examination.

GENERAL.

17. All candidates for examination shall receive from the Registrar a written notice stating whether or not their applications are satisfactory and, if satisfactory, a timetable showing the times and places at which the various sections of the examinations will be held, and any accepted candidate who fails to attend for examination at the stated times and places shall forfeit the examination fee.

When failure to attend is due to illness and a medical certificate is furnished to the Board not later than seven days after the day on which the candidate was unable to attend on account of that illness, the candidate shall be excused his absence and may be permitted to sit for the next subsequent examination subject to conditions as laid down by the Board, without payment of a further fee.

18. An applicant may be informed that his application is satisfactory subject to certain conditions being fulfilled and unless such conditions are complied with by a given date, he will not be permitted to present himself for examination.

19. The following shall be recognised as institutions where courses of training and study for the Intermediate and Qualifying Examinations may be taken:—

Cape Technical College, Cape Town.
Natal Technical College, Durban.
Witwatersrand Technical College, Johannesburg.
The Technical College, Port Elizabeth.
Pretoria Technical College.

The Board reserves to itself the right to withdraw recognition, subject to the approval of the Minister of Health, from any institution if at any time it is satisfied that its requirements in regard to the courses of training and study are insufficiently met.

20. A candidate who, having presented himself for either the Intermediate or Qualifying Examinations or for examination in a referred subject, fails to pass that examination, may be required to undergo a further course of study as directed by the Board at a recognised institution.

(3) die sentrum waar hy verlang om die eksamen te doen;

en die aansoek moet vergesel gaan van—

(a) 'n sertifikaat van 'n erkende opleidingsinrigting dat die kandidaat minstens 80 persent van die klasse van die voorgeskrewe studiekursus gedurende een akademiese jaar op bevredigende wyse bygewoon het nadat hy in Deel I van die eksamen geslaag het: Met dien verstande dat 'n kandidaat wat vir 'n aanvullingseksamen in Deel I van die eksamen in April gekwalifiseer het die kursus vir Deel II kan begin in afwagting van 'n slaagpunt in daardie eksamen;

(b) die eksamengeld, nl. R25.

14. Indien 'n kandidaat in Deel II van die Kwalifiserende Eksamen slaag voordat hy 21 jaar oud is, word sy diploma teruggehou totdat hy die ouderdom van 21 jaar bereik.

15. 'n Kandidaat vir Deel II van die Kwalifiserende Eksamen vir die Diploma in Farmasie moet hom by eerste toelating of (as hy in meer as een vak gedruip het) by aansoek om hereksamen aanmeld vir eksamen in alle vakke, en moet in elke geval die volle eksamengelde betaal. Indien hy slegs in een vak druipt, kan die Kommissie hom vir verdere studie in daardie vak alleen terugverwys en in daardie geval is die hereksamengeld R12.60.

16. Die Kommissie kan vrystelling van verdere eksamen in enige vak van Deel I of Deel II van die Kwalifiserende Eksamen verleen aan die besitter van 'n graad, diploma of sertifikaat wat toegeken is deur 'n eksaminerende liggaam wat deur die Kommissie erken word, en wat na die Kommissie se mening 'n standaard van opleiding in en kennis van daardie vak aandui wat nie laer is nie as dié wat deur die Kommissie van kandidate vir daardie deel van die Kwalifiserende Eksamen vereis word.

ALGEMEEN.

17. Alle eksamenkandidate moet skriftelik deur die Registrateur in kennis gestel word of hul aansoeke bevredigend is of nie, en, indien wel, sal hulle 'n eksamenrooster ontvang wat aandui waar en wanneer die verskillende dele van die eksamens afgeneem word. 'n Goedgekeurde kandidaat wat versuim om hom op die vasgestelde tye en plekke vir die eksamen aan te meld, verbeur die eksamengeld.

Indien 'n kandidaat se versuim om hom vir die eksamen aan te meld te wyte is aan siekte en hy 'n doktersertifikaat aan die Kommissie voorlê nie later as sewe dae na die dag waarop hy weens vermeldde siekte nie in staat was om hom aan te meld nie, sal sy afwesigheid verskoon word en kan hy toegelaat word om die volgende eksamen te doen op die voorwaardes wat deur die Kommissie vasgestel word, sonder betaling van verdere eksamengeld.

18. 'n Appliant kan verwittig word dat sy aansoek bevredigend is mits hy aan sekere voorwaardes voldoen, en dat, tensy hy voor 'n vasgestelde datum aan sodanige voorwaardes voldoen, hy nie toegelaat sal word om hom vir die eksamen aan te meld nie.

19. Die volgende word erken as inrigtings waar studie- en opleidingskursusse vir die Intermediêre en Kwalifiserende Eksamen gevolg kan word:—

Kaapse Tegniese Kollege, Kaapstad.
Natale Tegniese Kollege, Durban.
Witwatersrandse Tegniese Kollege, Johannesburg.
Tegniese Kollege, Port Elizabeth.
Tegniese Kollege, Pretoria.

Die Kommissie behou hom die reg voor om, behoudens die goedkeuring van die Minister van Gesondheid, sy erkenning van enige inrigting te onttrek indien hy te eniger tyd daarvan oortuig is dat daar nie behoorlik aan sy vereistes ten opsigte van die studie- en opleidingskursusse voldoen word nie.

20. Daar kan van 'n kandidaat wat hom aangemeld het vir die Intermediêre of vir die Kwalifiserende Eksamen, of vir eksamen in 'n vak waarin hy terugverwys is, en wat nie in daardie eksamen slaag nie, vereis word dat hy 'n verdere studiekursus, soos deur die Kommissie bepaal, aan 'n erkende inrigting moet volg.

APPENDIX "A". INTERMEDIATE EXAMINATION.

CHEMISTRY.

A. Theoretical.

(1) Physical Chemistry.

(a) Physical and chemical changes; elements; compounds; solutions and mixtures; the gravimetric laws of chemical combination. The atomic theory. A simple treatment of the electronic theory of atomic structure with special reference to its applications to the theory of valency, ionisation, and interpretation of the periodic classification. Equivalent weight of elements and compounds, atomic and formula (empiric) weights; methods for their determination.

(b) *Molecular Theory*.—Elementary treatment of the kinetic theory; general gas equation; Dalton's Law of partial pressure; Avogadro's Hypothesis, relative densities and molecular weights; Gay Lussac's Law of combining volumes. Formulae and equations.

(c) *Solutions*.—Solubility of gases and solids in water; Henry's Law; methods of expressing solubility and concentration; determination of solubility. Colligative properties such as the lowering of the freezing point, raising of the boiling point, osmosis and osmotic pressure. Electrolysis and its application to the preparation of elements; Faraday's Laws and its application to the determination of equivalent weight. Arrhenius' theory of electrolytic dissociation and its application to neutralisation and precipitation. Bronsted's concept of acids and bases.

(d) *Thermochemistry*.—Endothermic and exothermic reactions; heats of reaction, solution, neutralisation.

(e) *Factors Influencing Chemical Reactions*.—Temperature pressure, concentration (Law of Mass Action), Catalysis, change of state. Application of above to reversible reactions.

(2) Inorganic Chemistry.

(a) *Types of Chemical Reactions*.—Addition, substitution, simple and double decomposition, neutralisation, oxidation and reduction.

(b) *Classification of the Elements*.—(i) Metals and non-metals; (ii) periodic classification of the elements.

(c) General reactions of typical elements of group I-VII as illustrated by hydrogen, sodium magnesium, calcium, boron, aluminium, carbon, silicon, lead, nitrogen, phosphorus, arsenic, antimony, bismuth, oxygen, sulphur, halogens and iron. Special reference to be given to their hydrogen compounds, oxides and chlorides.

(d) General methods of preparation and reactions of acids, bases and salts.

(e) *Calculations*.—The candidate will be expected to solve simple problems relating to the weight and volume under different conditions of temperature and pressure of elements and compounds concerned in chemical reactions, including empirical and molecular formulae and equivalents, atomic and molecular weights. Simple calculations may be set on volumetric analysis of practical syllabus.

(3) Organic Chemistry.

The general principles of organic chemistry:—

(a) Homology; isomerism, including chain and position isomerism; metamorphism.

(b) The methods of preparation and typical reactions of the following classes of compounds (experimental details will not be required):—

(i) *Aliphatic Compounds*.—Hydrocarbons (paraffins, olefines and acetylenes). Alkyl halides; monohydric alcohols; primary amines; monocarboxylic acids; amides; acid chlorides; cyanides; aldehydes and ketones.

(ii) *Aromatic Compounds*.—Benzene and the following derivatives: Toluene; monochlorobenzene; nitrobenzene; benzene sulphonic acid; aniline; phenol; benzaldehyde; benzoic acid.

NOTE.—The above syllabus is to be treated in an elementary manner and as far as possible experimentally.

B. PRACTICAL.

A brief elementary course illustrating the chemical and experimental principles in the theoretical syllabus.

The candidate will be required:—

(a) to identify by chemical tests the following cations and anions: Lead, silver, mercury(ous), mercury(ic), copper, bismuth, arsenic, antimony, iron, aluminium, zinc, calcium barium, magnesium, sodium, potassium, ammonium, carbonate, sulphate, chloride, bromide, iodide, nitrate.

(b) to analyse systematically a chemical containing not more than one cation and one anion from the above list, the compound forming a solution on treatment with water dilute hydrochloric acid or dilute nitric acid;

(c) To show a knowledge of the principles and applications of volumetric analysis based on acidimetric and alkalimetric, permanganometric, iodometric and argentimetric procedures.

(d) to determine the elements nitrogen, sulphur and chlorine in an organic compound and the melting point of a pure organic compound;

(e) to identify the following organic compounds: Methyl alcohol ethyl alcohol, formates, acetates, benzoates.

AANHANGSEL A.

INTERMIDIÈRE EKSAMEN.

SKEIKUNDE.

A. Teoretiese gedeelte.

(1) Fisiese skeikunde.

(a) Fisiese en chemiese veranderinge; elemente; verbindings; oplossings en mengsels; die gravimetrie wette van chemiese verbindings. Die atoomteorie. 'n Eenvoudige behandeling van die elektronteorie van atoomstruktuur met spesiale verwysing na die toepassings daarvan op die teorie van valensie, ionisasie en vertolking van die periodieke klassifikasie. Ekwivalente gewig van elemente en verbindings, atoom- en formule (empiriese) gewigte; metodes vir die bepaling daarvan.

(b) *Molekulêre teorie*.—Elementêre behandeling van die kinetiese teorie; algemene gasvergelyking; Dalton se Wet van gedeeltelike druk; Avogadro se Hipotese; relatiewe digtheid en molekulêre gewigte; Gay Lussac se Wet van verbindingsvolumes. Formules en vergelykings.

(c) *Oplossings*.—Oplosbaarheid van gasse en vaste stowwe in water; Henry se Wet; metodes om oplosbaarheid en konsentrasie uit te druk; bepaling van oplosbaarheid. Saambindende eienskappe soos die verlaging van die vriespunt, verhoging van die kookpunt, osmose en osmotiese druk. Elektrolise en die toepassing daarvan op die bereiding van elemente; Faraday se Wet en die toepassing daarvan op die bepaling van ekwivalente gewig. Arrhenius se teorie van elektrolitiese dissosiasie en die toepassing daarvan op neutralisasie en presipitasie. Bronsted se begrip van sure en basisse.

(d) *Termochemie*.—Endotermiese en eksotermiese reaksies; warmtes van reaksie, oplossing, neutralisasie.

(e) *Faktore wat chemiese reaksies beïnvloed*.—Temperatuur, druk, konsentrasie (Wet van Massawerking), katalise, verandering van toestand. Toepassing van bostaande op omkeerbare reaksies.

(2) Anorganiese skeikunde.

(a) *Tipiese chemiese reaksies*.—Addisie-substitusie, eenvoudige en dubbele omsetting, neutralisasie, oksidasie en reduksie.

(b) *Klassifikasie van die elemente*.—(i) Metaal en nie-metaal; (ii) periodieke klassifikasie van die elemente.

(c) Algemene reaksies van tipiese elemente van groep I-VII, soos geïllustreer deur waterstof, natrium, magnesium, kalsium, boor, aluminium, koolstof, silikon, lood, stikstof, fosfor, arseen, antimoon, bismut, suurstof, swaefel, halogene en yster. Daar moet spesiaal verwys word na hul waterstofverbindings, oksiede en chloriede.

(d) Algemene metodes van bereiding en reaksies van sure, basisse en soute.

(e) *Berekenings*.—Van die kandidaat word verwag dat hy eenvoudige vraagstukke kan oplos met betrekking tot die gewig en volume in verskillende toestande van temperatuur en druk van elemente en verbindings in skeikundige reaksies, met inbegrip van empiriese en molekulêre formules en ekwivalente, atoom- en molekulêre gewigte. Eenvoudige berekenings kan gestel word oor volumetrisie ontleding van die praktiese leerplan.

(3) Organiese skeikunde.

Die algemene beginsels van organiese skeikunde:—

(a) Homologie; isomerie, met inbegrip van ketting- en stellingisomerie; metamerie.

(b) Bereidingsmetodes en tipiese reaksies van die volgende klasse verbindings (eksperimentbesonderhede word nie verlang nie):—

(i) *Alifatiese verbindings*.—Koolwaterstowwe (paraffiene, olefiene en asetilene). Alkylhalogeniede; eenwaardige alkohole; primêre amiene; monokarboksiesure; amiede; suurchloriede; sianiede; aldehydes en ketone.

(ii) *Aromatiese verbindings*.—Benseen en die volgende derivate: Toluene, monochloorbenseen; nitrobenseen, benseensulfoonsuur, anilien; fenol; bensaldehyd; bensoësuur.

OPMERKING.—Bostaande leerplan moet op elementêre wyse en sover moontlik eksperimenteel behandel word.

B. Praktiese gedeelte.

'n Kort elementêre kursus wat die skeikundige en eksperimentele beginsels in die teorieleerplan illustreer.

Die volgende word van die kandidaat verwag:—

(a) Om die volgende katione en anione deur skeikundige toetse te identifiseer: Lood, silwer, kwik (merkuro-), kwik (merkuri-), koper, bismut, arseen, antimoon, yster, aluminium, sink, kalsium, barium, natrium, kalium, ammonium, karbonaat, sulfaat, magnesium, chloried, bromied, jodied, nitraat.

(b) Om 'n skeikundige stof sistematies te ontleed wat nie meer as een kation en een anion uit bostaande lys bevat nie, waarvan die verbinding 'n oplossing vorm nadat dit met waterverdunde soutsoor of verdunde salpetersuur behandel is.

(c) Om kennis aan die dag te lê van die beginsels en toepassings van volumetrisie ontleding gebaseer op asidimetrie en alkalimetrie, permangametrisie, jodometrie en argentimetrie metodes.

(d) Om die elemente stikstof, swaefel en chloor in 'n organiese verbinding, en die smeltpunt van 'n suiwer organiese verbinding te bepaal.

(e) Om die volgende organiese verbindings te identifiseer: Metiel-alkohol, etielalkohol, formaat, asetaat, bensoaat.

PHYSICS.

(a) Units: Length, mass, time. Force, weight, moment of a force. The balance; chemical and dispensing balance. Work and energy. General properties of matter; distinction between solids, liquids and gases density and specific gravity; elasticity and Hooke's Law. Hydrostatic properties of fluids; pressure in a liquid; transmission of liquid pressure; Archimedes principle; buoyancy; floating bodies; hydrometers; gaseous pressure; Boyle's Law; atmospheric pressure; barometers; siphon.

(b) Heat and temperature. Thermometry and scales of temperature; maximum, minimum and clinical thermometers. Expansion and co-efficients of expansion of solids and liquids; expansion of gases and Joule Thompson effect. Change of density and change of gaseous pressure with temperature; change of state; melting point, boiling point; distillation, condensation, sublimation. Saturated and unsaturated vapours, vapour pressure. Hygrometry. Calorimetry calorie; water equivalent; thermal capacity, specific heat; latent heat; conduction convection; radiation. Nature of heat; conversion of mechanical energy into heat; mechanical equivalent of heat; Joule's Law.

(c) Rectilinear propagation. Pinhole camera. Laws of reflection and of refraction of light. Refractive index; images; properties of plane mirror; spherical mirrors, prism, and thin spherical lenses. Two thin lenses in contact. The eye; photographic camera; magnifying glass; compound microscope. The principles of correction of errors of vision by means of lenses. Photometry; intensity of illumination; illuminating power; inverse square law; photometers; nature of light dispersion of pure spectrum and elementary properties of polarised light; the elementary concepts of ultra violet radiation.

(d) Simple properties of magnets. Magnetic fields. Deflection magnetometer. Simple phenomena of static electricity. Condensers; potential, capacity and dielectric constant. Diamagnetism and paramagnetism. Primary and secondary cells. Potential differences; electromotive force; Ohm's Law; potentiometer and Wheatstone Bridge. Resistance, specific resistance of solids and solutions. Resistance in series and in parallel; shunts. Magnetic fields due to straight and circular currents; the solenoid. Tangent galvanometers; moving coil galvanometers; ammeter; voltmeter. Heating effects of electricity. Electrical units; ampere coulomb; volt; ohm; watt; kilowatt hour. Electrical discharges through gases; X-rays.

PRACTICAL PHYSICS.

(a) Adjustment and use of the balance. Determination of sensitivity of a balance and calibration of weights. Use of specific gravity bottle for liquids and small solids. Relative density of liquids by balancing columns; use of Westphal balance; Nicholson's, Sikes hydrometer and common hydrometers. Use of Boyle's Law apparatus; reading of barometers.

(b) Calibration of thermometer. Determinations of melting points and of boiling points; of coefficients of expansion of metal tubes and rods; of coefficients of expansion of liquids by means of pycnometer; or coefficient of increase of pressure of air at constant volume; of specific heats of solids and of liquids; of latent heat of fusion of ice; of latent heat of steam; of dew point and relative humidity.

(c) Verification of laws of reflection and of refraction; refractive index by real and apparent depth and critical angle by pinoptic methods; radius of curvature and focal length of spherical concave and convex mirrors; focal length and power of converging and diverging spherical thin lenses.

(d) Comparison of electromotive forces of cells; the potentiometer. Measure of resistance by—

- (i) Voltmeter and ammeter;
- (ii) the method of substitution;
- (iii) the fall of potential method;
- (iv) the Wheatstone bridge method.

Determination of specific resistance. Use of the electrical calorimeter.

BOTANY.

Biology, its meaning and scope, and its two great sub-divisions, botany and zoology; its value as a cultural and as a pharmaceutical subject. Meaning and scope of the more important sub-divisions of biology; taxonomy, morphology, anatomy, physiology, ecology, genetics, evolution.

The plant kingdom and its main sub-divisions and their features: Bacteria, algae, fungi, lichens, bryophytes, pteridophytes, gymnosperms and angiosperms as examples of the diversity of forms of plant life and of evolutionary history and tendencies.

The plant as a living organism; form, function of the roots, stem, leaves, flowers, fruit of a typical green herbaceous land plant, and of a woody perennial showing secondary thickening. The influence of the habitat (soil and aerial) on plant organs. Nature of the modifications of organs for special functions. The cell and cell divisions. The tissues of typical angiosperm—their structure, arrangement and functions in brief. A typical flower—its structure and the functions of the various parts thereof; the fruit and seed-structure, dispersal, germination of seed. Elements of plant physiology—water-relations, photosynthesis, nutrition, growth, respiration, digestion, tropisms in relation to gravity, light, water, storage of reserves. Parasitism, saprophytism, epiphytism. A brief comparative study of the form,

FISIKA.

(a) Eenhede: Lengte, massa, tyd. Krag, gewig, moment van 'n krag. Die weegskaal; skeikundige en aptekerskaal. Arbeid en energie. Algemene eienskappe van materie; onderskeiding tussen vaste stowwe, vloeistowwe en gasse; digtheid en soortlike gewig; elastisiteit en Hooke se Wet. Hidrostatiese eienskappe van vloeistowwe; druk in 'n vloeistof; transmissie van druk in 'n vloeistof; Archimedes se Beginsel; opwaartse druk; drywende liggame; hidrometers; gasdruk; Boyle se Wet; lugdruk; barometers; hewel.

(b) Warmte en temperatuur. Termometrie en temperatuurskale; maksimum, minimum en kliniese termometers. Uitsetting en uitsettingskoëffisiënte van vaste stowwe en vloeistowwe; uitsetting van gasse en Joule Thompson se effek. Verandering van digtheid en verandering van gasdruk met die temperatuur; toestandsverandering; smeltpunt; kookpunt; distillasie, kondensasie, sublimasie. Versadigde en onversadigde dampe, dampdruk. Higrometrie. Kalorimetrie; kalorie; waterekwivalent; termiese kapasiteit; soortlike warmte; latente warmte; geleiding; konveksie en radiasie. Aard van warmte; omsetting van meganiese energie in warmte; meganiese warmte-ekwivalent; Joulse se Wet.

(c) Reglynige voortplanting van lig. Gaatjiekamera. Wette van ligweerskaatsing en ligbreking; brekingsindeks; beelde; eienskappe van vlakspieël; sferiese spieëls, prisma's en dun sferiese lense. Twee dun lense in kontak. Die oog; fotografiese kamera; vergrootglas; saamgestelde mikroskoop. Beginsels van die korreksie van gesigsfoutte deur middel van lense. Fotometrie; intensiteit van beligting; ligsterkte; wet van die omgekeerde kwadraat; fotometers; aard van ligdispersie van 'n suiwer spektrum en elementêre eienskappe van gepolariseerde lig; elementêre begrippe van ultra-violetradiasie.

(d) Eenvoudige eienskappe van magnete. Magneetvelde. Defleksie-magnetometer. Eenvoudige verskynsels van statiese elektrisiteit. Kondensators; potensiaal, vermoë en dielektriese konstante. Diamagnetisme en paramagnetisme. Primêre en sekondêre elemente. Potensiaalverskille; elektromotoriese krag; Ohm se Wet, potensiometer en Wheatstone se Brug. Reluktansie; soortlike reluktansie van vaste stowwe en oplossings. Reluktansie, serie- en parallel; neweskakelings. Magneetvelde toe te skryf aan reguit- en sirkelstrôme; solenoid. Tangensgalvanometer; galvanometers met bewegende klos; ammeter; voltmeter. Verwarmingssuiterwerking van elektrisiteit. Elektriese eenhede, ampère-coulomb; volt; ohm; watt; kilowattuur. Elektriese ontladings deur gasse; Röntgenstrale.

PRAKTIËSE FISIKA.

(a) Stel en gebruik van die weegskaal. Bepaling van die sensitiviteit van 'n weegskaal en kalibrering van gewigte. Gebruik van die soortlike gewigfles vir vloeistowwe en klein vaste stowwe. Relatiewe digtheid van vloeistowwe deur balanserende kolomme; gebruik van Wesfaalse weegskaal; Nicholson-hidrometer. Sike-hidrometer en gewone hidrometers. Gebruik van apparaat vir Boyle se Wet; aflees van barometers.

(b) Kalibrering van termometer. Bepaling van smeltpunte en kookpunte, van uitsettingskoëffisiënte van metaalbuise en -stawe, van uitsettingskoëffisiënte van vloeistowwe deur middel van die pieknometer, van die koëffisiënt van lugdrukvermeerdering by konstante volume, van die soortlike warmtes van vaste stowwe en van vloeistowwe, van die latente smeltwarmte van ys, van die latente warmte van stoom, van die doupunt en relatiewe humiditeit.

(c) Verifikasie van die weerkaatsings- en ligbrekingswette; ligbrekingsindeks deur die werklike en skynbare diepte en grenshoek deur middel van optiese spelmetodes; krommingstraal en brandpuntafstand en sferiese konkawe en konvekse spieëls; brandpuntafstand en sterkte van konvergerende en divergerende sferiese dun lense.

(d) Vergelyking van die elektromotoriese kragte van elemente; die potensiometer. Meet van weerstand deur middel van die volgende metodes:—

- (i) Voltmeter en ammeter;
- (ii) substitusie;
- (iii) potensiaalval;
- (iv) Wheatstone se Brug.

Bepalings van soortlike weerstand. Gebruik van die elektriese kalorimeter.

PLANTKUNDE.

Biologie, die omvang en betekenis en die twee groot onderafdelings daarvan, naamlik plantkunde en dierkunde; die waarde daarvan as 'n kulturele en farmaseutiese vak. Die betekenis en omvang van die belangrikste onderafdelings van biologie; taksonomie, morfologie, anatomie, fisiologie, ekologie, genetica, evolusie.

Die planteryk en die hoofonderafdelings daarvan met hulle kenmerke: Bakterië, alge, swamme, korsmosse, briofiete, pteridofiete, gimnosperme en angiosperme as voorbeelde van die verskeidenheid van vorme van plantlewe en van evolusionêre geskiedenis en neigings.

Die plant as 'n lewende organisme; vorm, funksie van die wortels, stam, blare, blomme, vrug van 'n tipiese groen kruidagtige veldplant, en van 'n houtagtige, meerjarige plant wat sekondêre verdikking vertoon. Die invloed van die habitat (grond en lug) op plantorgane. Aard van die veranderinge van organe vir spesiale funksies. Die sel en selverdelings. Die wissel van tipiese angiosperme—die bou, rangskikking en funksies daarvan kortliks. 'n Tipiese blom—die bou en die funksies van die verskillende dele daarvan, die vrug en saad-bou, verspreiding en ontkieming van saad. Beginsels van plantfisiologie: waterverhoudings, fotosintese, voeding, groei, asemhaling, vertering, tropismes met betrekking tot swaartekrag, lig, water, opberging van reserves. Parasitisme, saprofietisme, epifitisme. 'n Kort vergelykende studie van die vorm, bou, lewensgeskiedenis en voortplanting

structure, life-history and reproduction of *Bacillus Subtilis*, *Chlamydomonas*, *Spirogyra*, *Fucus*, *Claviceps*, *Penicillium Agaricus*, *Funaria*, *Pteridium*, *Pinus*, a typical Monocotyledon, a typical Dicotyledon.

Principles of taxonomy as illustrated by a brief study of the representative of the following families: Liliaceae, ranunculaceae, leguminosae, solanaceae, compositae.

Elementary ecology; the habitat (soil, aerial); the plant community, plant succession.

PRACTICAL BOTANY.

The examination, dissection, macroscopic and microscopic examination, description and drawing of plant material drawn from the list given above; demonstrations of ecological and physiological features to be arranged. The examination should aim at determining the powers of observation of the candidate, his capacity for describing and drawing faithfully what he has seen, and his capacity for interpretation of botanical phenomena.

ZOOLOGY.

A. Theory.

1. *Small Mammal* (e.g. rat, rabbit, guinea pig or cat).—External features, skin and derivatives. Digestive system.—Main parts of the alimentary canal and its derivatives.

Enzymes and Hormones.—An outline of their function in digestion. Peristalsis.

Mouth.—Mucus, ptyalin. Stomach—pepsin, HCl, renin. Pancreas—trypsinogen, steapsin, amylolysis. Intestine—erepsin, enterokinase, lipase. Liver—bile pigments and salts. Rectum—absorption of water, ejection of undigested food, excretion from vascular supply of walls. Vascular system—principal excretion from vascular supply of walls. Vascular system—principal blood vessels. Nature of arteries, veins, portal veins, capillaries. Functions of blood—transport, protection (phagocytosis, clotting). Maintenance of constant temperature.

Respiratory system.

Nervous System.—Spinal cord and nerves: Brain and cranial nerves.

Sympathetic System.—Reflex arc. Function of parts in general.

Skeletal System.—Vertebral column, skull, appendicular skeleton. *Names of Bones*.—Functions—attachment of muscles, support, protection.

Urinogenital System.—Kidney, gonads, ducts and associated glands.

Placenta.

Endocrine System.—Principal glands and their function in general.

2. *Microscopic Anatomy*.—Structure and Physiology.

Animal Cells.—Structure and multiplication. Mitosis. Meiosis. *Epithelial Tissue*.—Trachea, oesophagus, stomach, intestine, skin, liver, pancreas, kidney and lung.

Connective Tissue.—Areolar, elastic, fibrous, bone cartilage adipose, pigment, blood (including clotting) lymph.

Muscular Tissue.—Striated, cardiac and smooth.

Nervous Tissue.—Ganglia and synapses.

Sensory Organs and Tissues.—Taste buds, end bulbs, Paccinian corpuscles, olfactory epithelium, eye, ear.

Sex Organs.—Testis, ovary.

3. *Simplified Study of Reproduction*.

4. *Outline of Classification*.—Basic principles of classification; aggregation of animals into species, genera, families, classes, phyla.

5. *General Study of the Following Invertebrates*.

Protozoa.—Amoeba, entamoeba, trichomonas, trypanosoma, plasmodium, babesia, forrelia.

Platyhelminthes.—Schistosoma, fasciola, taenia, echinococcus.

Nemathelminthes.—Trichocephalus, strongyloides, hookworm, enterobius, ascaris.

Arthropoda.—Crayfish or cockroach or locust (general morphology). Bug, mosquito, flea, tsetse fly, housefly, louse (external structure: Mouth parts and life history only).

Arachnida.—Ticks and mites (the external structure, life history and hosts.)

6. *Parasitism*.

7. *Heredity*.—Mendelian heredity as illustrated by the inheritance of simple and sex linked characters.

B. Practical.

The complete dissection of the systems (other than muscular) of the small mammal, crayfish or cockroach or locust.

Recognition of the bones of the skeleton, and of slides showing the macroscopic structure of animals or parts of animals mentioned in the theory syllabus.

QUALIFYING EXAMINATION.

CHEMISTRY AND PHARMACEUTICAL CHEMISTRY.

PART I.

THEORY.

1. The candidate will be required to have a knowledge of the chemistry of the Intermediate Course and, in addition, to make a study of the application of the electronic structures of compounds and to include a knowledge of resonances and the Hydrogen bond.

van *Bacillus subtilis*, *Chlamydomonas*, *Spirogyra*, *Fucus*, *Claviceps*, *Penicillium*, *Agaricus*, *Funaria*, *Pteridium*, *Pinus*, 'n tipiese eensaadlobbige en 'n tipiese tweesaadlobbige plant.

Beginsels van die taksonomie soos geïllustreer deur 'n beknopte studie van die verteenwoordigers van die volgende families: Liliaceae, Ranunculaceae, Leguminosae, Saloniaceae, Compositae.

Elementêre ekologie; habitat (grond en lug); plantegemeenskap, planteopvolging.

PRAKTIESE PLANTKUNDE.

Die ondersoek, disseksie, makroskopiese en mikroskopiese ondersoek, beskrywing en tekening van plantmateriaal verkry uit bostaande lys; demonstrasies van ekologiese en fisiologiese kenmerke moet gereël word. Die eksamen moet veral die bepaling van die waarnemingsvermoë van die kandidaat beoog, asook sy vermoë om wat hy gesien het, noukeurig te beskryf en getrou te teken en sy vermoë om plantkundige verskynsels te interpreteer.

DIERKUNDE.

A. Teorie.

1. *Klein soogdier* (bv. rot, konyn, marmotjie, of kat). Uitwendige kenmerke—Vel en derivate.

Spysverteringsstelsel.—Vernaamste dele van die spysverteringskanaal en sy derivate.

Ensieme en hormone.—'n Oorsig van die rol wat hulle by spysvertering speel. Peristaltiek.

Mond.—Slym, ptialien. Maag—pepsien HCl, rennin. Alveisklier—trypsinogeen, steapsien amilopse. Ingewant—erepsien dermferment, lipase. Lewer—galkleurstowwe en -soute. Rektum—absorbering van water, uitwerping van onverteerde voedsel, uitskeiding uit die vate van wande.

Vatstelsel.—Vernaamste bloedvate. Aard van slagare, are, poortare, haarvate.

Funksies van bloed.—Vervoer, beskerming (fagositose en stolling). Behoud van konstante temperatuur.

Asemhalingstelsel.

Senuweestelsel.—Rugmurg en rugmurgsenuwees. Harsings en harsingsenuwees.

Simpatiese stelsel.—Refleksboog. Funksies van dele in die algemeen.

Skeletstelsel.—Ruggraat, skedel, ledemategeraamte.

Name van bene.—Funksies—spieraanhegting, ondersteuning, beskerming.

Urogenitale stelsel.—Niëre, teelkliere, buise en verwante kliere. *Plasenta*.

Endokriene stelsel.—Vernaamste kliere en hul funksies in die algemeen.

2. *Mikroskopiese anatomie*.—Struktuur en fisiologie.

Dierlike selle.—Bou en vermenigvuldiging. Mitose, Meiose. *Epitelweefsel*.—Lugpyp, slukderm, maag-, ingewande-, vel-, lewer-, alveisklier-, nier- en long-.

Bindweefsel.—Aerolêre, elastiese veselagtige, been-, kraakbeen-, vet-, pigment-, bloed- (met inbegrip van stollings-), lymf-.

Spierweefsel.—Gestrepte, hart-, en gladde.

Senuweeweefsel.—Senuweeknope en sinapse.

Sensoriese organe en weefsels.—Smaakknoppies, endknoppies paccine se liggaampies reukepoteel, oog, oor.

Geslagorgane.—Testikel, eierstok.

3. *Vereenvoudigde studie van reproduksie*.

4. *Klassifikasie in hoofstrekke*.—Basiese beginsels van klassifikasie; samevatting van diere en spesies, genera, families, klasse, stamme.

5. *Algemene studie van die volgende ongewerelde diere*:—

Protozoë.—Amebe, entamebe, trichomone, tripanosoom, plasmodium, babesia, forrelia.

Platihelminthe.—Shistosoma, fasciola, taenia, hondeblaaswurm.

Nemathelminthe.—Trichocephalus, strongiloides, hoekwurm, naaldwurm, ascaris.

Artropode.—Kreef of kakkerlak of sprinkaan (algemene morfologie). Weeluis, muskiet, vloot, tsetsevlug, huisvlug, luis (uitwendige bou, alleen monddede en lewensgeskiedenis).

Arachnida.—Bosluise en myte (uitwendige bou, lewensgeskiedenis en gashere).

6. *Parasitisme*.

7. *Erflikheid*.—Mendelse erflikheid soos geïllustreer deur die oorerwing van eenvoudige kenmerke wat aan seks gekoppel word.

B. Prakties.

Die algehele disseksie van die stelsels (uitgesonderd die spierstelsels) van die klein soogdier, kreef of kakkerlak of sprinkaan.

Uitkenning van die geraamtebene en voorwerpglase waarop die mikroskopiese struktuur van diere of dele van diere aangetoon word wat in die teorieleerplan voorkom.

KWALIFISERENDE EKSAMEN.

SKEIKUNDE EN FARMASEUTIESE SKEIKUNDE.

DEEL I.

TEORIE.

1. Van die kandidaat word kennis van die skeikunde van die Intermediêre Kursus verwag en daarbenewens moet hy 'n studie maak van die toepassing van elektroniese strukture van verbindinge en kennis dra van resonansies en die waterstofbinding.

2. *Physical.*

(a) Properties of liquids, e.g. surface tension.

(b) Phase studies:—

(i) Phase rule and its application to water.

(ii) Distribution law; partition chromatography; steam distillation.

(iii) Colloids and surface phenomena: General nature of colloids, colloidal system; properties of colloidal systems. Absorption, absorption chromatography, surface films, types of films, orientation of molecules in films, emulsions.

(c) Solutions.—Distillation of azotropic mixtures; osmotic pressure and its pharmaceutical applications.

(d) *Ionic Equilibria*.—Degree of ionisation; Ostwald's dilution law; hydrogen ion concentration and pH; determination of hydrogen ion concentration; ionisation of water; hydrolysis of salts; common ion effect; solubility product; buffer solutions; theory of indicators and its application to titrations of acids and bases; oxidation-reduction potentials and electrochemical cells.

PRACTICAL.

The candidate will be required—

(a) to analyse systematically mixtures containing not more than four ions. The ions shall include those enumerated in the Intermediate Practical Syllabus with the following additions:—

Cadmium, tin, chromium, cobalt, nickel, strontium, manganese, sulphite, sulphide, thio-sulphate, fluoride, nitrite, phosphate, arsenite, arsenate, cyanide, borate, silicate;

(b) to show a knowledge of the principles of volumetric analyses, and to prepare, standardise and use solutions of acids and alkalis, potassium permanganate, iodine, sodium thiosulphate, potassium iodate, silver nitrate, ammonium, thiocyanate;

(c) to carry out tests on the determination of surface tension, viscosity, refractive index, specific rotation, fractional distillation, partition coefficient, molecular weight, reaction rate, pH, potentiometric titrations, colloidal solutions.

CHEMISTRY AND PHARMACEUTICAL CHEMISTRY.

PART II.

THEORY.

The candidate will be required to have a knowledge of the chemistry of the Intermediate and Part I Courses.

1. *Organic.*

Methods of purification and analysis; simple problems dealing with the determination of constitutional formulae. Optical and geometrical isomerism. A general knowledge of the chemistry of the following, with particular reference to substances in frequent use in pharmacy: Saturated and unsaturated aliphatic hydrocarbons; benzene and its simpler homologues; halogen derivatives of the above; monohydric and polyhydric alcohols; ethers; aldehydes and ketones; carbonxylic acids and their salts; acylhalides; anhydrides; acid amides; esters of organic and inorganic acids; hydroxy and amino acids; lactones; lactides; urethane and urea; nitriles; sulphonic acids; nitro compounds; amines; diazonium compounds; phenols (including di- and trihydric phenols); quinones.

A knowledge of the structure, nomenclature and chemical properties of pharmaceutical importance of the following and general knowledge of such of their derivatives as are in the British Pharmacopoeia:—

Diphenyl ethane, triphenyl methane, naphthalene, anthracene, phenanthrene, pyrimidine, thiazole, pyrazole, imidazole, pyridine, quinoline, isoquinoline, acridine.

Chemical synthesis by means of the more important reactions.

A knowledge of the more important aspects of the chemistry of the following groups of medicinal organic compounds:—

Organic compounds of mercury, arsenic, antimony and iodine, sulphonamides, barbiturates and local anaesthetics.

The general constitution and properties of the fixed oils, fats and waxes of the British Pharmacopoeia.

The principles involved in the estimation of the oxygenated constituents of essential oils. The structural formulae and sample properties of terpineol, limonene, carvone, menthol and camphor.

The classification, general properties, general methods of extraction and the principles of the methods of assay, of the alkaloids.

The structural formula of cocaine.

The structural formulae and general properties of uric acid, caffeine, theobromine and theophylline.

The general chemistry of glucose and fructose with a knowledge of their structure; general chemistry excluding stereo-chemical considerations of sucrose, lactose, starch, dextrins, cellulose, gums and ascorbic acid.

The general structure, properties and classification of the glucosides.

An elementary knowledge of the classification and general characteristics of the proteins of essential amino acids and their relationship to proteins.

2. *Fisies.*

(a) Eienskappe van vloeistowwe, byvoorbeeld oppervlakspanning.

(b) Fase studies:—

(i) Fasereël en die toepassing daarvan op water.

(ii) Verspreidingswet; verdelingschromatografie; stoom-distillasie.

(iii) Kolloïdes en oppervlakverskynsels: Algemene aard van kolloïdes, kolloïdale stelsels, eienskappe van kolloïdale stelsels. Adsorpsie, adsorpsiechromatografie, oppervlakvliese, soorte vliese, oriëntering van molekules in vliese, emulsies.

(c) *Oplossings*.—Distillering van aescroopmengsels; osmotiese druk en die farmaseutiese toepassings daarvan.(d) *Ione-ewewigte*.—Ionisasiegraad: Ostwald se verdunningswet; waterstofioonkonsentrasie en pH; bepaling van waterstofioonkonsentrasie; ionisasie van water; hidrolise van soute; gewone ioneffek; oplosbaarheidsproduk; bufferoplossings; teorie van indikatoren en die toepassings daarvan op titrasies van sure en basisse; oksidasie-reduksie potensiale en elektroskeikundige selle.

PRAKTIËS.

Die volgende word van die kandidaat verwag:—

(a) Om mengsels wat nie meer as vier ione bevat nie stelselmatig te ontleed. Die ione sluit daardie ione genoem in die Intermediêre Praktiese Leerplan, met die volgende byvoegings:—

Kadmium, tin, chroom, kobalt, nikkel, strontium, mangaan, sulfiet, sulfied, tiosulfaat, fluoried, nitriet, fosfaat, arseniet, arsenaat, sianied, boraat, silikaat.

(b) Om bewys te lewer van kennis van die beginsels van volumetriese ontleding, en om oplossings van sure en alkalië, kaliumpermanganaat, jodium, natriumtiosulfaat, kaliumjodaat, silvernitraat, ammoniumtiosianaat, te berei, te standaardiseer en te gebruik.

(c) Om oefeninge vir die bepaling van oppervlakspanning, viskositeit, brekingsindeks, soortelike draaivermoë, fraksionele distillasie, verdelingskoëffisiënt, molekulêre gewig, reaksiesnelheid, pH, potensiometriele titrasies, kolloïdale oplossings, uit te voer.

SKEIKUNDE EN FARMASEUTIESE SKEIKUNDE.

DEEL II.

THEORIE.

Van die kandidaat word kennis van die skeikunde van die Intermediêre en Deel I Kursusse verwag.

1. *Organies.*

Metodes van suiwering en ontleding; eenvoudige vraagstukke oor die bepaling van konstitusionele formules. Optiese en geometriese isomerie. 'n Algemene kennis van die skeikunde van die volgende, met besondere verwysing na stowwe wat dikwels in die apteekwese gebruik word: Versadigde en onversadigde alifatiese koolwaterstof verbindings; benseen en die eenvoudige homologe daarvan; halongeen-derivate van bostaande; monohidriese en polihidriese alkohole; eters; aldehyde en ketone; korboksielure en die soute daarvan; asielhaliede; anhidriede; suuramide; esters van organiese en anorganiese sure, hidroksie- en aminosure; laktone, laktiede, uretaan en ureum; nitrile, sulfoonsure; nitroverbindings; amiene; diazoniumverbindings; fenols (met inbegrip van di- en trihidriese fenols), kinone.

Kennis van die struktuur, nomenklatuur en skeikundige eienskappe van Farmaseutiese belang van die volgende en 'n kennis van die derivate daarvan wat in die British Pharmacopoeia voorkom:—

Diffenieletaan, trifenielmetaan, naftaleen, antraseen, fenantreen, pirimidien, tiasool, pirasool, imidasool, piridien, kinolien, isokinolien, akridien, skeikundige sintese deur middel van die belangrikste reaksies.

Kennis van die belangrikste aspekte van die skeikunde van die volgende groepe van geneeskundige organiese verbindings:—

Organiese verbindings van kwik, arseen, antimoon en jodium, sulfoonsuuramide, barbiturate en plaaslike verdowingsmiddels.

Die algemene konstitusie en eienskappe van die vaste olies, vette en wasse van die Britse Farmaseutiese.

Die beginsels betrokke by die waardebeepaling van die geoksige-neerde bestanddele van eteriese olies. Die struktuurformules en eenvoudige eienskappe van terpineol, limonene, karvone, mentol en kamfer.

Die klassifikasie, algemene eienskappe, algemene ekstraheermetodes en die beginsels van die toetsingsmetodes van die alkaloides.

Die struktuurformule van kokaïen.

Die struktuurformule en algemene eienskappe van uriensuur, kaferien, teobromien en teofileen.

Die algemene skeikunde van glukose en fruktose met 'n kennis van die struktuur daarvan; algemene skeikunde, uitgesonderd stereo-chemiese oorwegings van suikrose, laktose, stysel, dekstriene, sellulose, gomme en askorbiensuur.

Die algemene strukture, eienskappe en klassifikasie van die glukosiede.

'n Elementêre kennis van die klassifikasie en algemene kenmerke van die proteïene, van eteriese aminosure en hul verband met proteïene

2. Inorganic.

Candidates will be required to be conversant with the chemical and physical principles involved in an understanding of the monographs on the official inorganic substances in the British Pharmacopoeia.

PRACTICAL.

(a) To identify and carry out tests on purity and assays on the following compounds enumerated in the British Pharmacopoeia:—

- (i) All the official inorganic substances;
- (ii) the following metal-organic and organic compounds:—

Organic acids and their salts (acetic, lactic, oxalic, tartaric, citric, gluconic, benzoic, salicylic, acetylsalicylic, tannic, nicotinic), ethyl alcohol, glycerol, anaesthetic ether, chloral hydrate, chloroform, chlorbutol, urethane, urea, barbitone, phenobarbitone, carbromal, glucose, sucrose, lactose, starch, phenylmercuric nitrate, acetanilide, phenacetin, benzylbenzoate, amphetamine sulphate, sulphaguanidine, sulphacetamide sodium, saccharin, benzocaine, phenol, resorcinol, chlorocresol, acetarsol, mersalyl acid, iodoxy, caffeine, quinine sulphate.

(b) To carry out the quantitative limit tests for lead, chloride sulphate, iron and arsenic according to the methods described in the British Pharmacopoeia.

(c) To carry out the quantitative determination of an alkaloid in acid or alcoholic solution.

(d) To carry out the Kjeldahl method of the estimation of nitrogen.

(e) To determine the concentration of alcohol-water mixtures and to detect and determine the amount of alcohol in any preparation.

(f) To carry out the determination of acid value, ester value, saponification value, iodine value and acetyl value.

(g) To carry out the determination of free alcohols and aldehydes in volatile oils.

The candidate will be allowed to use of notes and books during the examination.

FORENSIC PHARMACY.

Candidates will be examined in their knowledge of the following enactments, in so far as they have a bearing on the practice of pharmacy and the sale of drugs, poisons and poisonous substances:—

- (a) Medical, Dental and Pharmacy Act, No. 13 of 1928, as amended, in particular the following:—

Chapter 1, section two.
Chapter 2, sections fifteen, sixteen, seventeen and eighteen.
Chapter 3, section thirty-seven.—Acts pertaining to the calling of a chemist and druggist.
Chapter 4, sections forty-one, forty-two, forty-three, forty-five and forty-seven.
Chapter 5, all sections.—Keeping, sale and dispensing of poisons.
Schedule IV.—Poisons, Division I and Division 2.
Chapter 6, all sections.—Importation, sale and dispensing of habit-forming drugs and potentially harmful drugs and method of keeping habit-forming drugs register.
Schedule V.—Habit-forming drugs.
Schedule VI.—Potentially harmful drugs.
Preparations exempted from the provisions of Chapters 5 and 6.
Regulations promulgated for the carrying out of the provisions of Chapters 5 and 6.
Chapter 7, section seventy-five.—Plurality of titles.
Chapter 7, section seventy-six.—Provisions regarding bodies corporate, trading as chemists and druggists.
Chapter 7, section seventy-six bis.—Trading titles.
Chapter 7, section seventy-seven.—Control of pharmacies.
Chapter 7, section seventy-eight.—Powers of Executors, etc.
Chapter 7, section eighty.—Excessive charges.
Chapter 7, section eighty-one.—Disabled persons.
Chapter 7, section eighty-two.—Labelling and packing of poisonous substances.
Chapter 7, section eighty-seven.—Liability for acts of employees.
Chapter 7, section eighty-eight.—Commission on prescriptions.
Chapter 7, section eighty-nine.—Authorisation of veterinarians.
Chapter 7, section ninety-five.—Alteration of Second Schedule: Annual fees.
Chapter 7, section ninety-six.—Interpretation of terms.
Ethical Rules.—Rules regarding conduct of which the South African Pharmacy Board may take cognisance.
The Therapeutic Substances Regulations, in so far as they affect the chemist and druggist.

- (b) Public Health Act, No. 36 of 1919, section sixty-five.—Its effect on the conduct of the business of a chemist and druggist.

- (c) The Liquor Act, No. 30 of 1928, sections five, one hundred and twenty-three, one hundred and thirty and one hundred and thirty-one.—Provisions regarding the sale of perfumery, perfumed spirits and medicines containing "liquor". Sale of yeast and malt to Natives, sale of methylated spirits and certain Dutch medicines, regulations arising therefrom.

2. Anorganies.

Kandidate moet vertrouwd wees met die chemiese en fisiese beginsels betrokke by 'n begrip van die monografieë oor die amptelike anorganiese stowwe in die British Pharmacopoeia.

PRAKTIËS.

(a) Om die suiwerheid van die volgende verbindings wat in die British Pharmacopoeia genoem word te toets en te essayeer en dit te identifiseer:—

- (i) Al die amptelike anorganiese stowwe;
- (ii) die volgende metaal-organiese en organiese verbindings:—

Organiese sure en die soute daarvan (asyn-, melk-, oksaal-, wynsteen-, nitroen-, glukoon-, bensoë-, salisiel, asetielsalisiel-, looi-, nikotien-), etielalkohol, gliserol, verdowende eter, chloraalhidraat, chloroform, chloorbutol, uretaan, ureum, barbitoon, fenobarbitoon, karbromal, glukose, suikrose, laktose, stysel, fenielkwiknitraat, asetanilied, fenasetien, bensielbensoaat, amfetamiensulfaat, sulfa-guanidien, sulfasetamiednatrium, sakkarine, bensokafien, fenol, resorsinol, chloorkresol, asetarsol, mersalielsuur, jodoksiel, kafeien, kiniensulfaat.

(b) Om die kwantitatiewe grenstoets uit te voer vir lood, chloried, sulfaat, yster en arseen volgens die metodes wat in die British Pharmacopoeia beskryf word.

(c) Om die kwantitatiewe bepaling van 'n alkaloïde in 'n suur of alkoholiese oplossing uit te voer.

(d) Om die Kjeldahlmetode vir die waardebeepaling van stikstof uit te voer.

(e) Om die konsentrasie van alkohol-watremengsels te bepaal en om die aanwezigheid van alkohol en die hoeveelheid daarvan in enige preparaat vas te stel.

(f) Om die bepaling van suurwaarde, esterwaarde, versepingswaarde, jodiumwaarde en asetiellaarde uit te voer.

(g) Om die bepaling van vrye alkohole en aldehydes in vlugtige oliës uit te voer.

Die kandidaat sal toegelaat word om sy aantekeninge en boeke gedurende die eksamen te raadpleeg.

GEREGTELIKE FARMASIE.

Kandidate se kennis sal getoets word van die volgende wetgewing vir sover dit betrekking het op die praktyk van die apteekwese en die verkoop van artsenye, vergifte en giftige stowwe:—

- (a) Wet op Geneeshere, Tandartse en Aptekers, No. 13 van 1928 (soos gewysig), veral met betrekking tot die volgende:—

Hoofstuk 1, artikel twee.

Hoofstuk 2, artikels vyftien, sestien, sewentien en agtien.

Hoofstuk 3, artikel sewe-en-dertig.—Handelinge wat op die beroep van 'n apteker betrekking het.

Hoofstuk 4, artikels een-en-veertig, twee-en-veertig, drie-en-veertig, vyf-en-veertig en sewe-en-veertig.

Hoofstuk 5, alle artikels: Die aanhou, verkoop en resepteer van vergifte.

Bylae IV: Vergifte, Afdeling 1 en Afdeling 2.

Hoofstuk 6, alle artikels: Invoer, verkoop en resepteer van gewoontevormende medisyne en moontlik nadelige medisyne en die metode om die register van gewoontevormende medisyne te hou.

Bylae V: Gewoontevormende medisyne.

Bylae VI: Moontlik nadelige medisyne.

Preparate wat vrygestel is van die bepalings van Hoofstukke 5 en 6.

Preparate wat vrygestel is van die bepalings van Hoofstukke 5 en 6.

Regulasies uitgevaardig vir die uitvoering van die bepalings van Hoofstukke 5 en 6.

Hoofstuk 7, artikel vyf-en-sewentig.—„Misbruik van titels deur vereniging van persone.”

Hoofstuk 7, artikel ses-en-sewentig.—Bepalings in verband met regpersone wat as aptekers handel dryf.

Hoofstuk 7, artikel ses-en-sewentig bis.—Handelstitels.

Hoofstuk 7, artikel sewe-en-sewentig.—Beheer van apteke.

Hoofstuk 7, artikel agt-en-sewentig.—Bevoegdhede van Eksekuteure, ensovoorts.

Hoofstuk 7, artikel tagtig.—Buitensporige koste.

Hoofstuk 7, artikel een-en-tagtig.—Gebrekklike persone.

Hoofstuk 7, artikel twee-en-tagtig.—Etikettering van verpakking van giftige stowwe.

Hoofstuk 7, artikel sewe-en-tagtig.—Aanspreeklikheid vir dade van werknemers.

Hoofstuk 7, artikel agt-en-tagtig.—Kommissie op resepte.

Hoofstuk 7, artikel nege-en-tagtig.—Magtiging van veeartse.

Hoofstuk 7, artikel vyf-en-negentig.—Verandering van Tweede Bylae—Jaargelde.

Hoofstuk 7, artikel ses-en-negentig.—Woordbepaling.

Etiese reëls.—Reëls in verband met gedrag waarvan die Suid-Afrikaanse Aptekerskommissie kennis mag neem.

Regulasies in verband met terapeutiese stowwe vir sover dit die apteker raak.

- (b) Volksgesondheidswet, No. 36 van 1919, artikel vyf-en-sestig.—Die uitwerking daarvan op die dryf van die aptekersbesigheid.

- (c) Die Drankwet, No. 30 van 1928, artikels vyf, honderd drie-en-twintig, honderd-en-dertig en honderd een-en-dertig.—Bepalings in verband met die verkoop van reukwerk, geparfumeerde spirituele en drankhoudende medisyne. Die verkoop van gis en mout aan Naturelle, die verkoop van brandspiritus en sekere Hollandse medisyne. Regulasies wat daaruit voortvloei.

(d) The Food, Drugs and Disinfectants Act, No. 13 of 1929, and regulations in so far as they affect the chemist and druggist.

(e) Fertilizers, Farm Feeds, Seeds and Remedies Act, No. 36 of 1947, in so far as it affects the practice of pharmacy.

English and Afrikaans names of poisons included in Schedules IV and V and of poisonous substances included in section eighty-two of the Medical, Dental and Pharmacy Act.

NOTE.—The above knowledge will extend to any amendments to the specified sections or schedules, and to any rules or regulations thereon or amendments thereof, published not less than six months before the date of the examination.

Posology.—A knowledge of such poisonous alkaloids and glucosides as appear in the British Pharmacopoeia or addenda thereto, of all other substances and preparations appearing in the Fourth Schedule to the Medical, Dental and Pharmacy Act, and of potent substances and preparations appearing in the British Pharmacopoeia or addenda thereto, the maximum official dose of which is 0.3 millilitre, 300 milligrams or less.

PHARMACEUTICS.

(The examination in this subject comprises two written sessions each of three hours duration and two practical sessions, each of six hours duration).

The candidate will be required to have a knowledge of the following:—

The application of physical phenomena to pharmaceutical operations—change of state; systems of two or more components—solutions, dispersions.

Pharmaceutical processes and products—preparation of material; solvents; extraction; assay and standardisation clarification and filtration including removal of fat, proteins, gums, pectins, tannins; ultra-filtration; stabilisation—maintenance of stability during storage; enzymes.

The products of the British Pharmacopoeia and the British Pharmaceutical Codex to be used to illustrate the above. The nature and properties of materials used in the construction of pharmaceutical apparatus.

Microbiology in so far as it concerns sterilisation and the preparation of immunological products.

Sterilisation and the preparation of sterile medicaments and materials.

Disinfectants and antiseptics—Bacteriostatics and fungistatics; methods of evaluation of disinfectants.

Asepsis in the preparation of sterile products—sources of contamination; aseptic precautions.

The preparation, properties and storage conditions or immunological and diagnostic agents of the British Pharmacopoeia; the general principles underlying their standardisation.

Dispensing practice—the prescription—purpose, dispensing and compounding of medicines; containers; equipment and organisation of the pharmacy.

The candidate will be required to have such a knowledge of both the official languages as will enable him to translate into the other official language passages relating to the subject matter of prescriptions.

Calculations.—Candidates will be required to have a knowledge of pharmaceutical calculations involving the metric, imperial and apothecaries' system of weight and measures, and will be examined on their ability to make such calculations as may be involved in the carrying out of pharmaceutical operations.

PRACTICAL PHARMACEUTICS.

The student must be prepared to carry out ordinary pharmaceutical operations including the making of preparations included in the British Pharmacopoeia and the British Pharmaceutical Codex, the dispensing of prescriptions; the preparation and dispensing of sterile medicaments and materials, the detection of unusual doses and the completion of preparations in a proper manner with particular reference to those forms of medication in common use.

In the practical examination the candidate will have the opportunity of consulting the British Pharmacopoeia and the British Pharmaceutical Codex.

PHARMACOGNOSY.

The candidate will be expected—

- (1) to have a knowledge of the methods used to classify crude drugs, taxonomic, morphological, chemical and pharmacological;
- (2) to have a knowledge of the structural characters which determine the morphological groupings used in the Schedule of drugs;
- (3) to have a knowledge of the cultivation, collection, preparation for the market and commerce of crude drugs as illustrated by those drugs marked with an asterisk in the Schedule;
- (4) to have a knowledge of the drying, storage and changes occurring during the comminution of crude drugs; the possible changes which occur during storage, and drying, the infestation by fungi, insects, mites, etc., and the prevention of these;
- (5) to have a knowledge of the methods used in the examination of crude drugs, including the isolation and identification of tissues and cells; and of the microchemical tests for cell walls and cell contents;
- (6) to have a knowledge of the microscopical and sensory characters, biological and geographical sources, commercial varieties, common adulterants and constituents of the drugs named in the schedule of drugs;

(d) Wet op Voedingsmiddels, Medisyne en Ontsmettingsmiddels, No. 13 van 1929, en regulasies vir sover dit die apteker raak.

(e) Wet op Misstawwe, Veevoedsel, Saad en Middels, No. 36 van 1947, vir sover dit die apteker raak.

Kandidate moet ook 'n kennis hê van die Engelse en Afrikaanse name van vergifte wat in Bylaes IV en V voorkom, en van die giftige stowwe wat in artikel twee-en-tagtig van die Wet op Geneeshere, Tandartse en Aptekers voorkom.

OPMERKING.—Bovermelde kennis moet enige wysigings van die gespesifiseerde artikels of bylaes omvat, asook van enige reëls of regulasies in verband daarmee of wysigings daarvan wat minstens ses maande voor die eksamenatum gepubliseer is.

Doseerkunde.—Kennis van dié giftige alkaloiëde en glukosiede wat in die British Pharmacopoeia of toevoegsels daarby voorkom, van alle ander stowwe en preparate wat in die Vierde Bylae van die Wet op Geneeshere, Tandartse en Aptekers voorkom, en van kragtige stowwe en preparate wat in die British Pharmacopoeia of toevoegsels daarby voorkom, waarvan die maksimum amptelike dosis 0.3 milliliter, 300 milligram of minder is.

FARMASIE.

(Die eksamen in hierdie vak bestaan uit twee skriftelike toetse van drie uur elke en twee praktiese toetse van ses uur elk.)

Van die kandidaat word kennis van die volgende verwag:—

Die toepassing van fisiese verskynsels op farmaseutiese werksaamhede—verandering van toestand; stelsels van twee of meer bestanddele-oplossings, dispersies.

Farmaseutiese prosesse en produkte—bereiding van materiaal; oplosmiddels; ekstraksie; toetsing en standaardisering, suiwering en filtrering, met inbegrip van die verwydering van vet, proteïene, gomme, pektiene, tanniene, ultrafiltrering; stabilisering; behoud van stabiliteit gedurende bewaring; ensieme.

Die produkte van die British Pharmacopoeia en die British Pharmaceutical Codex moet gebruik word om bostaande te illustreer. Die aard en eienskappe van materiale wat gebruik word by die bou van farmaseutiese apparaat.

Mikrobiologie vir sover dit betrekking het op sterilisasie en die bereiding van immunologiese produkte. Sterilisasie en die bereiding van steriele geneesmiddels en materiale.

Ontsmettings- en antiseptiese middels—bakteriostatika en fungistatika; metodes om die waarde van ontsmettingsmiddels te bepaal.

Asepsis by die bereiding van steriele produkte; bronne van besoedeling; aseptiese voorsorgsmaatreëls. Die bereiding, eienskappe en bewaringstoestande van immunologiese en diagnostiese middels van die British Pharmacopoeia; algemene beginsels waarop die standaard-disasie daarvan berus.

Reseptuur: Die preskripsie, doen, opmaak en samestelling van medisyne; houers; uitrusting en organisasie van die apteek.

Van die kandidaat word soveel kennis van albei amptelike tale verwag as wat hom in staat sal stel om sinne in verband met die inhoud van preskripsies in die ander amptelike taal te vertaal.

Berekenings.—Van kandidate word 'n kennis verwag van farmaseutiese berekenings waarby die metrieke, die imperiale en die aptekerstelsels van mate en gewigte gebruik word, en hul vermoë om die berekenings te maak wat die uitvoering van farmaseutiese werksaamhede meebring, sal getoets word.

PRAKTIESIE FARMASIE.

Die student moet bereid wees om gewone farmaseutiese werksaamhede uit te voer, met inbegrip van die maak van preparate wat voorkom in die British Pharmacopoeia en die British Pharmaceutical Codex, die opmaak van preskripsies, die bereiding en opmaak van steriele geneesmiddels en stowwe, die bewerking van buitengewone dosisse en die klaarmaak van preparate op bevredigende wyse met besondere verwysing na daardie vorms van geneesmiddels wat in alledaagse gebruik is.

In die praktiese eksamen sal die kandidaat die geleentheid hê om die British Pharmacopoeia en die British Pharmaceutical Codex te raadpleeg.

FARMACOGNOSIE.

Van die kandidaat word 'n kennis van die volgende verwag:—

- (1) Die metodes wat toegepas word om ru-artsenye, taksonomies, morfologies, skeikundig en farmekologies te klassifiseer.
- (2) Die struktureienskappe wat die morfologiese groeperings wat in die lys van artsenye gebruik word, bepaal.
- (3) Die verbouing, versameling en bereiding vir die mark van en die handel in ru-artsenye, soos geïllustreer deur dié wat met 'n sterretjie in die lys aangedui is.
- (4) Die droging, bewaring, en veranderings wat plaasvind gedurende die vergruising van ru-artsenye; die maandelike veranderings wat gedurende bewaring en droging plaasvind, die besmetting deur swamme, insekte, myte, ensovoorts, en die voorkoming daarvan.
- (5) Die metodes wat toegepas word by die ondersoek van ru-artsenye, met inbegrip van die afsondering en identifikasie van weefsels en selle; en die mikrochemiese toetse vir selwande en selinhoud.
- (6) Die mikroskopiese en gevoelseienskappe, biologiese en geografiese bronne, handelsvariëteite, gewone vervalsingsmengstowwe en betandele van die artsenye wat in die lys voorkom.

- (7) to have a knowledge of the microscopical characters of the morphological groups of drugs as illustrated by the histology of the following, in the whole, broken or powdered condition: Cascara, clove, cardamom fruit, fennel, belladonna herb, ginger, liquorice, ipecacuanha.
- (8) to have a knowledge of the microscopical characters of agar, chalk, kieselguhr, talc, asbestos and maize, potato, rice and wheat starches.
- (9) to have a knowledge of the more important groups of drug constituents and their general characters of significance in pharmacy;
- (10) to have a knowledge of diagnostic qualitative chemical tests for the identification of, or the detection of adulterants in, the drugs named in the List of Drugs;
- (11) to have a knowledge of the types and significance of standards for crude drugs included in the B.P. and B.P.C., and of the evaluation of crude drugs by the determination of ash values, extractive values, moisture content, volatile oil content and of foreign organic matter;
- (12) to have a knowledge of the sources, preparation characters, qualitative chemical tests and constituents of the following fibres used in the manufacture of surgical dressings—cellulose wadding, cotton, jute, silk, rayon, wool; and to have a knowledge of the more important surgical dressings and their standards;
- (13) to have a knowledge of the use of the microscopy of calcium oxalate crystals in identifying belladonna herb, cascara, hyoscyamus, rhubarb, senna leaves, stramonium;
- (14) to have a knowledge of the microscopy of epidermal trichomes in belladonna herb, digitalis, hyoscyamus, lobelia, nux vomica, senna leaf, stramonium and strophanthus.

PRACTICAL PHARMACOGNOSY.

The candidate must be prepared—

- (1) to examine and describe the macroscopical characters of crude drugs, the general distributions of tissues, the nature of cell walls and cell contents and to refer the crude drugs to their morphological groups;
- (2) to examine, identify, and describe the drugs in the schedule, being presented with normal commercial samples thereof and to give such information about them as is required by section (6) of the theory syllabus;
- (3) to examine and report upon the purity or otherwise of commercial samples of the drugs in the schedule;
- (4) to examine, identify and describe by microscopical methods the drugs named in sections (7) and (8), (13) and (14) above, either alone or mixed with one another;
- (5) to examine and report on the fibres and dressings named in section (12) of the syllabus.

NOTE.—Candidates will be allowed to refer to the British Pharmacopoeia and the British Pharmaceutical Codex during the practical examination.

SCHEDULE OF DRUGS.

Woods.—Quassia.

Barks.—Cascara*, Cinnamon*, Quillaia, Wild Cherry, Cinchona, Cocillana.

Flowers.—Clove*, Pyrethrum.

Fruits.—Capsicum, Caraway, Cardamom, Chenopodium, Colocynth, Coriander, Dill, Fennel, Lemon Peel, Bitter Orange Peel, Senna Pod*.

Seeds.—Areca, Colchicum, Nutmeg*, Nux Vomica, Strophanthus, Linseed.

Leaves and Bulbs.—Buchu*, Coca, Digitalis*, Hamamelis, Senna*, Squill.

Herbs and Entire Organisms.—Belladonna*, Cantharis*, Cochineal*, Ergot, Ephedra, Hyoscyamus, Galls, Lobelia, Stramonium, Yeast.

Rhizomes and Corms.—Colchicum, Derris, Ginger*, Podophyllum, Liquorice*, Male Fern, Rhubarb*, Valerian*.

Roots.—Belladonna*, Gentian*, Ipomoea, Krameria, Senega.

Starches.—Maize*, Potato*, Rice*, Wheat*, Dextrin, Soluble Starch.

Minerals.—Chalk, Talc, Asbestos, Kaolin*, Kieselguhr.

Unorganised Drugs.—Acacia*, Agar*, Aloes*, Aloin, Asafoetida, Balsam of Peru, Balsam of Tolu, Beeswax*, Benzoin*, Castor Oil*, Catechu, Cetaceum, Chrysarobin, Cod Liver Oil*, Colophony*, Copaiba, Gelatin*, Honey*, Ipomoea Resin, Ichthammol, Lard*, Myrrh, Oil of Cade, Oil of Clove*, Oil of Lemon*, Oil of Peppermint, Oil of Theobroma, Oil of Turpentine*, Olive Oil*, Opium*, Podophyllum Resin, Storax, Coal Tar, Wood Tar, Tragacanth*, Wool Alcohols, Wool Fat*.

PHYSIOLOGY AND PHARMACOLOGY.

The candidate will be expected to possess an *elementary* knowledge of the basic facts in the branches of Physiology and Pharmacology listed below.

PHYSIOLOGY.

General.

The properties and control of skeletal, visceral and cardiac muscle. The formation properties, functions and circulation of the blood and lymph.

The mechanism and control of pulmonary ventilation; gaseous interchange at the lungs and tissues. Artificial respiration.

The alimentary tract.

- (7) Die mikroskopiese eienskappe van die morfologiese groepe van artsensye soos geïllustreer deur die histologie van die volgende, in die heel, gebreekte of poeivorm: kaskara, naeltjie, kardamomvrug, vinkel, belladonnakruid, gemmer, soethout, ipecacuanha.
- (8) Die mikroskopiese eienskappe van agar, kryt, kieselgoer, talk, asbes en mielie-, artappelrys- en koringstysel.
- (9) Die belangrikste groepe van die bestanddele van artsensye, en die algemene kenmerke daarvan wat van belang is in die farmasie.
- (10) Diagnostiese kwalitatiewe skeikundige toetse vir die identifisering van die vasstelling van die aanwezigheid van vervalsingsmengstowwe in die artsensye wat in die lys voorkom.
- (11) Tipes en betekenis van standaarde vir ru-artsensye wat in die B.P. en die B.P.C. opgeneem is, en van die waardebepalings van ru-artsensye deur die vasstelling van die aswaardes, ekstrakwaardes, voggehalte, vlugtige oliegehalte en van vreemde organiese stof.
- (12) Bronne, bereidingseienskappe, kwalitatiewe skeikundige toetse en bestanddele van die volgende vesels wat gebruik word by die vervaardiging van heelkundige verbande: sellulosewatte, katoen, jute, sy, rayon, wol. Die belangrikste heelkundige verbande en die standaarde daarvan.
- (13) Die gebruik van die mikroskopie van kalsium-oksalaatkristalle by die identifisering van: Belladonnakruid, kaskara, hiossiamus, rabarber, seneblare, stramonium.
- (14) Die mikroskopie van epidermiese trichrome in belladonnakruid, digitalis, hiossiamus, lobelia, nux vomica, seneblaar, stramonium en strofantus.

PRAKTISE FARMAKOGNOSIE.

Die kandidaat moet bereid wees—

- (1) om die makroskopiese kenmerke van ru-artsensye die algemene verspreiding van weefsels, die aard van selwande en selinhoud te ondersoek en te beskryf en om die ru-artsensye in hul morfologiese groepe te plaas;
- (2) om die artsensye in die lys uit normale handelsmonsters wat verskaf word, te ondersoek, te identifiseer en te beskryf en om dié inligting daaromtrent te verstrek wat in artikel (6) van die teorieleerplan vereis word;
- (3) om die suiwerheid van handelsmonsters van die artsensye in die lys te ondersoek en daarvoor verslag te doen;
- (4) om volgens mikroskopiese metodes die artsensye wat in artikels (7), (8), (13) en (14) hierbo genoem word, afsonderlik of met 'n ander een gemeng te ondersoek, te identifiseer en te beskryf;
- (5) om die vesels en verbande wat in artikel 12 van die leerplan genoem word, te ondersoek en daarvoor verslag te doen.

OPMERKING.—Kandidate sal toegelaat word om na die British Pharmacopoeia en die British Pharmaceutical Codex gedurende die praktiese eksamen te verwys.

LYS VAN ARTSENYE.

Hout.—Kwassiehout.

Bas.—Kaskara*, Kaneel*, Kwillaia, Wilde Kersie, Kinabas, Kosillana.

Blomme.—Naeltjie*, Piretrum.

Vrugte.—Risse, Karwy, Kardamom, Chenopodium, Kolokwint, Koljander, Dille, Vinkel, Suurlemoenskil, Bitterlemoenskil, Senepel*.

Saad.—Areka, Kolchikum, Neutmuskaat*, Nux Vomica, Strofantus, Lysnaad.

Blare en bolle.—Boegoe*, Koka, Digitalis*, Hamamelis, Sene*, Ajuin.

Kruie en hele organismes.—Belladonna*, Spaansvlieg*, Cochenille*, Ergot, Efedra, Hiossiamus, Galneute, Lobelia, Stramonium, Gis.

Risome en stingelvoete.—Kolchikum, Derris, Gemmer*, Podofilum, soethout*, Mannetjievaring, Rabarber*, Valeriaan*.

Wortels.—Belladonna*, Gentiaan*, Impomoea, Krameria, Senega.

Stysel.—Mielie*, Aartappel*, Rys*, Koring*, Dekstrien, Oplosbare Stysel.

Minerale.—Kryt, Talk, Asbes, Kaolien*, Kieselgoer.

Ongeklassifiseerde artsensye.—Akasia*, Agar*, Aalwyne*, Aloien, Duiwelsdrek, Perubalsem, Tohu-balsem, Byewas*, Bensoen*, Kasterolie*, Katesjoe, Setaseum, Chrisarobien, Lewertraan*, Harpuis*, Kopiva, Gelatien*, Heuning*, Impomoeahars, Ichthammol, Varkvet*, Mirre, Pikolie, Naeltjiesolie*, Setroenolie*, Pepermentolie, Teobroomolie, Terpentynolie*, Olyfolie*, Opium*, Podofilumhars, Storaks, Koolteer, Houtteer, Tragakant*, Houtalkohole, Wolvet*.

FISIOLOGIE EN FARMAKOLOGIE.

Van die kandidaat word 'n elementêre kennis van die basiese feite in die takke van Fisiologie en Farmakologie, hieronder aangegee, verwag.

FISIOLOGIE.

Algemeen.

Die eienskappe en beheer van die skelet-, ingewands-, en hartspier. Die formasie, eienskappe, funksies en omloop van die bloed en limf.

Die meganisme en beheer van longventilasie; gaswisseling by die longe en weefsels.

Kunsmatige asemhaling.

- Basal metabolism and body heat.
- The principles involved in constructing a balanced diet; vitamins.
- The kidneys and urinary tract.
- The central and peripheral nervous systems, including the autonomic nerves.
- The special senses of sight, taste and smell.
- The structure and functions of the glands of internal secretion, including (a) pituitary body, (b) thyroid and parathyroids, (c) pancreas, (d) suprarenals, (e) testes and ovary.
- The elements of reproduction in man.

HISTOLOGY.

The candidate must possess an *elementary* knowledge of the microscopical structure of the following: Muscle and nerve; the heart, blood vessels and blood; lungs; the digestive glands; stomach and intestines; liver; kidneys; skin; the endocrine glands and the reproductive organs, including the mammary gland and the placenta.

BIOCHEMISTRY.

- The metabolism of carbohydrates, fats and proteins.
- The composition and functions of the salivary, gastric, biliary, pancreatic and intestinal secretions.
- The composition and nutritional value of common foodstuffs.
- The chemistry of muscular contraction.
- The composition of blood, lymph and cerebrospinal fluid. Normal and abnormal constituents of urine.

PHARMACOLOGY.

- Scope of Pharmacology. Theories of and factors affecting drug action.
- Elementary knowledge of quantitative methods in pharmacology. Dose-response curves.
- The general principles and methods underlying the biological assays of the British Pharmacopoeia, excluding the assays of sera, vaccines and bacterial derivatives. Special attention should be given to the determination of toxicity and LD50.
- Drugs affecting structures innervated by the automatic nervous system and by the somatic motor nerves.
- Drugs used as central nervous depressants and stimulants. Antipyretics. Local anaesthetics.
- Emetics; antacids; purgatives; astringents; diuretics.
- Disinfectants, bactericides and bacteriostatics including antibiotics.
- The application of pharmacological principles in treatment of poisoning.

No. R. 667.]

[10 May 1963.]

The Minister of Health, in exercise of the powers conferred upon him by sub-section (4) of section *ninety-four* of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules relating to the registration of unqualified assistants made by the South African Pharmacy Board under sub-section (2) of the said section of the Act in substitution for the rules published under Government Notice No. 2093 of 21st December, 1962:—

RULES RELATING TO THE REGISTRATION OF UNQUALIFIED ASSISTANTS.

1. The Board may grant a certificate of registration as an unqualified assistant to any applicant who—
 - (a) has completed to the satisfaction of the Board a contract of apprenticeship to a chemist and druggist which was duly registered by the Board; or
 - (b) submits documentary evidence of having completed an apprenticeship to a chemist and druggist outside the Republic which was of not less than two years duration, and which complied with the laws of the country in which it was served; or
 - (c) if his training within the Republic began prior to the commencement of Act No. 13 of 1928, has completed a course of apprenticeship or service under the conditions prescribed under any scheduled law which immediately prior to such commencement, was in force within the province in which such apprenticeship or service began.
2. Every application shall be in the form prescribed in the rules for the forms to be filled in and the documents to be submitted by applicants for registration or for restoration to the register, and shall be accompanied by the registration fee of R5.

- Die spysverteringskanaal.
- Basale metabolisme en liggaamswarmte.
- Die beginsels waarvolgens 'n gebalanseerde dieet saamgestel word; vitamiene.
- Die niere en die urienkanaal.
- Die sentrale en perifere senuweestelsel, met inbegrip van die outomone senuwees.
- Die spesiale sinne van gesig, smaak en reuk.
- Die struktuur en funksies van die klier van interne afskeiding met inbegrip van (a) hipofise, (b) skildklier en byskildklier, (c) alveisklier, (d) biniere, (e) testes van ovaria.
- Die elemente van voortplanting by die mens.

HISTOLOGIE.

Die kandidaat moet 'n elementêre kennis hê van die mikroskopiese struktuur van die volgende: spier en senuwee, hart, bloedvate en bloed; longe; spysverteringsklier; maag en ingewande; lewer; niere, vel; buislose klier en voortplantingsorgane, met inbegrip van die melkklier en die plasenta.

BIOCHEMIE.

- Metabolisme van koolhidrate, vette en proteïene.
- Die samestelling en funksies van speeksel-, maag-, gal-, alveis-, en ingewandsafskiedings.
- Die samestelling van voedingswaarde van gewone voedingstowwe.
- Die skeikunde van spiersametrekking.
- Die samestelling van bloed, limf en harsingrugmurgvog.
- Normale en abnormale bestanddele van urien.

FARMAKOLOGIE.

- Omvang van die farmakologie. Toerice van die werking van artsenye en die faktore wat dit beïnvloed.
- Elementêre kennis van die kwantitatiewe metodes in die farmakologie. Dosisreaksiekurwes.
- Die algemene beginsels en metodes waarop die biologiese toetse van die Britse Farmakopoeia berus, uitgesonderd die toetse van serums, entstowwe en bakteriese derivate. Spesiale aandag moet gegee word aan die vasstelling van toksisiteit en LD50.
- Artsenye wat die strukture beïnvloed wat deur die outonome senuweestelsel en die somatiese motoriese senuwees geïnnerveer word.
- Artsenye wat gebruik word as sedatiewe en stimuleermiddels van die sentrale senuwees. Koorsweermiddels.
- Plaaslike verdowingsmiddels.
- Braakmiddels; teensure; purgeermiddels; adstringeermiddels; diuretika (urienafdrywende middels).
- Ontsmettingsmiddels, bakteriedodende middels en bakteriestatika met inbegrip van antibiotiese middels.
- Die toepassing van farmakologiese beginsels by die behandeling van vergifting.

No. R. 667.]

[10 Mei 1963.]

Die Minister van Gesondheid het, in die uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel *vier-en-negentig* van die Wet op Geneesher, Tandartse en Aptekers, 1928 (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls betreffende die registrasie van ongekwalifiseerde assistente wat deur die Suid-Afrikaanse Aptekerskommissie kragtens subartikel (2) van genoemde artikel van die Wet opgestel is ter vervanging van die reëls uitgevaardig ingevolge Goewermentskennisgewing No. 2093 van 21 Desember 1962:—

REËLS BETREFFENDE DIE REGISTRASIE VAN ONGEKWALIFISEERDE ASSISTENTE.

1. Die Kommissie kan 'n sertifikaat van registrasie as 'n ongekwalifiseerde assistent toeken aan 'n applikant wat—
 - (a) tot tevredenheid van die Kommissie, 'n kontrak van leerlingenskap by 'n apteker wat deur die Kommissie geregistreer is, voltooi het; of
 - (b) dokumentêre bewys lewer dat hy 'n leerlingenskap by 'n apteker buite die Republiek, wat nie minder as twee jaar geduur het nie en wat voldoen het aan die wette van die land waarin die leerlingenskap ondergaan is, voltooi het; of
 - (c) indien sy opleiding in die Republiek begin het voor die inwerkingtreding van Wet No. 13 van 1928, 'n tydperk van leerlingenskap of diens voltooi het op die voorwaardes gestel deur 'n herroepe wet wat onmiddellik voor daardie inwerkingtreding van krag was in die provinsie waarin daardie leerlingenskap of diens begin het.
2. Elke aansoek moet in die vorm wees soos voorgeskryf in die reëls ten opsigte van die vorms wat ingevul en die dokumente wat ingedien moet word deur applikante vir inskrywing of herinskrywing in die register, en moet vergesel wees van registrasiegelde ten bedrae van R5.

3. The Board may in terms of sub-section (2) of section thirty-two erase from the register the name of any unqualified assistant who has failed to notify to the Registrar his present address, within a period of three months from the date of an enquiry sent by the Registrar by registered letter to the address appearing on the register in respect of him.

4. The Board shall erase from the register the name of an unqualified assistant on his becoming registered as a chemist and druggist in the Republic.

No. R. 668.]

[10 May 1963.]

The Minister of Health, in exercise of the powers conferred upon him by sub-section (4) of section ninety-four of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules made by the South African Pharmacy Board under sub-section (2) of the said section of the Act in substitution for the rules published under Government Notice No. 723 of 1st May, 1931, as amended by Government Notices No. 1462 of 17th October, 1933, No. 1837 of 28th July, 1950, and No. 2021 of 7th December, 1962:—

RULES FOR THE FORMS TO BE FILLED IN AND THE DOCUMENTS TO BE SUBMITTED BY APPLICANTS FOR REGISTRATION OR FOR RESTORATION TO THE REGISTER, AND FOR FORMS OF CERTIFICATES ISSUABLE UNDER THE ACT (OTHER THAN CERTIFICATES ISSUED UNDER CHAPTER V OR VI).

The following documents and forms duly completed shall, with the registration fee, be submitted to the registrar by applicants under the sections named below:—

1. By an applicant for registration as a chemist and druggist.

(a) Under sections *twenty-two* and *ninety-nine* (8) of the Act—

- (i) The diploma or certificate in respect of which the application is based, in original; if such diploma or certificate be printed or written in a language other than English, Afrikaans, or Latin, a sworn translation to one of the official languages sealed to the original shall also be submitted; if, for any reason, the original diploma or certificate cannot be submitted, such proof that the applicant was granted the diploma or certificate as the Board may consider necessary.
- (ii) A declaration of identity and good character in the form shown in Annexure A, together with one declaration in the form shown in Annexure B.

(b) Under section *twenty-eight* (1) of the Act—

The documents and forms required under clause (a) and, in addition, a declaration on oath in one of the forms shown in Annexure C.

(c) Under section *ninety-eight* (3) of the Act—

The documents and forms required under clause (a) and, in addition, the applicant's marriage certificate or other proof of marriage as also a declaration on oath in the form shown in Annexure D.

(d) Under section *thirty-three* (1) of the Act—

- (i) The diploma or certificate as laid down in clause (a).
- (ii) A declaration on oath in the form shown in Annexure E.

2. By an applicant for restoration of his name to the register of chemists and druggists under section *seventeen* (4) of the Act.

- (i) The original registration certificate issued to the applicant; if such original registration certificate cannot be submitted such proof that the applicant was registered as the Board may consider necessary.
- (ii) A declaration on oath of identity and good character in the form shown in Annexure F.

3. Die Kommissie kan kragtens subartikel (2) van artikel *twee-en-dertig* die naam van enige ongekwalifiseerde assistent wat versuim het om die Registrateur van sy huidige adres in kennis te stel binne 'n tydperk van drie maande vanaf die datum van 'n navraag wat per aangetekende brief deur die Registrateur gestuur is na die adres wat ten opsigte van hom op die register verskyn, van die register skrap.

4. Die Kommissie moet die naam van enige ongekwalifiseerde assistent van die register skrap, nadat hy as 'n apteker in die Republiek geregistreer is.

No. R. 668.]

[10 Mei 1963.]

Die Minister van Gesondheid het, in uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel *vier-en-negentig* van die Wet op Geneeshere, Tandartse en Aptekers, 1928 (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls wat deur die Suid-Afrikaanse Aptekerskommissie ingevolge subartikel (2) van genoemde artikel van die Wet opgestel is ter vervanging van die reëls uitgevaardig ingevolge Goewermentskennisgewing No. 723 van 1 Mei 1931 soos gewysig deur Goewermentskennisgewings No. 1462 van 17 Oktober 1933, No. 1837 van 28 Julie 1950 en No. 2021 van 7 Desember 1962.

REËLS TEN OPSIGTE VAN DIE VORMS WAT INGEVUL EN DIE DOKUMENTE WAT INGEDIEN MOET WORD DEUR APPLIKANTE VIR INSKRYWING OF HERINSKRYWING IN DIE REGISTER, EN VIR DIE VORMS VAN SERTIFIKATE WAT OOREENKOMSTIG DIE WET UITGEREIK WORD (BEHALWE DIE SERTIFIKATE OOREENKOMSTIG HOOFSTUK V OF VI UITGEREIK).

Applikante moet onderstaande dokumente en vorms behoorlik ingevul, tesame met die registrasiefooi, volgens die onderstaande klousules, by die Registrateur indien:—

1. By aansoek om registrasie as apteker.

(a) Volgens artikels *twee-en-twintig* en *nege-en-negentig* van die Wet—

- (i) Die oorspronklike diploma of sertifikaat waarop die aansoek gebaseer is; indien sodanige diploma of sertifikaat in 'n ander taal as Engels, Afrikaans of Latyn gedruk of geskrywe is, moet 'n beëdigde vertaling in een van die amptelike tale aan die oorspronklike vasgeheg, ook ingedien word, as om enige rede die oorspronklike diploma of sertifikaat nie ingedien kan word nie, sodanige bewys dat aan die applikant, die diploma of sertifikaat verleen is, soos die Kommissie nodig ag.
- (ii) 'n Verklaring van identiteit en goeie gedrag in die vorm van Bylae A, tesame met een verklaring volgens Bylae B.

(b) Volgens artikel *ag-en-twintig* (1) van die Wet—

Die dokumente en vorms volgens klousule (a) vereis, en bowendien 'n beëdigde verklaring volgens een van die vorms van Bylae C.

(c) Volgens artikel *ag-en-negentig* (3) van die Wet—

Die dokumente en vorms volgens klousule (a) vereis en bowendien applikant se huweliksertifikaat of ander huweliksbewys asook 'n beëdigde verklaring in die vorm van Bylae D.

(d) Volgens artikel *drie-en-dertig* (1) van die Wet—

- (i) Die diploma of sertifikaat soos in klousule (a) vasgestel.
- (ii) 'n Beëdigde verklaring in die vorm van Bylae E.

2. By aansoek om herstelling van sy naam in die Register van Aptekers volgens artikel *sewentien* (4) van die Wet.

- (i) Die oorspronklike sertifikaat aan applikant uitgereik: Indien sodanige oorspronklike registrasiesertifikaat nie voorgelê kan word nie, sodanige bewys dat die applikant geregistreer was soos die Kommissie nodig ag.
- (ii) 'n Beëdigde verklaring van identiteit in die vorm van Bylae F.

3. By a body corporate intending to carry on the business of a chemist and druggist in the Republic of South Africa applying for registration under sub-section (1) (b) of section *seventy-six*—

- (a) the original certificate of incorporation granted by the Registrar of Companies;
- (b) the Memorandum and Articles of Association;
- (c) a copy of Companies Form "J" submitted to the Registrar of Companies, bearing thereon the certificate in the form shown in Annexure G;
- (d) an application in the form shown in Annexure N;
- (e) the letter addressed by the Company to the Managing Director, detailing his duties or the power of attorney given by the company to the Managing Director detailing his duties.

4. By a body corporate carrying on the business of a chemist and druggist for the registration of its managing director only—

- (a) application in the form shown in Annexure H;
- (b) certificate of acceptance and declaration by the managing director in the form shown in Annexure I;
- (c) a letter addressed by the company to the managing director detailing his duties, or the power of attorney given by the company to the managing director detailing his duties;

5. By an applicant for registration as an unqualified assistant under sub-section (1) *bis* of section *thirty-two* of the Act:—

- (a) An application in the form of Annexure O;
- (b) Documentary proof of having served an apprenticeship as defined in section *twenty-seven* of the Act.

Registration Certificates.

- (i) Registration certificates entitling chemists and druggists to practise in the Republic of South Africa shall be in the form shown in Annexure J.
- (ii) Certificates of registration of persons as managing directors of companies carrying on the business of chemists and druggists shall be in the form shown in Annexure K.
- (iii) Certificates of registration of additional diplomas or certificates shall be in the form shown in Annexure L.
- (iv) Certificate of registration as an unqualified assistant shall be in the form of Annexure P.

ANNEXURE A.

I, the undersigned*
hereby make oath and declare that:—

(1) I am the person mentioned in the accompanying diploma or certificate namely:

- (a) _____ dated _____
- (b) _____ dated _____
- (c) _____ dated _____

submitted by me in support of my application to be registered as a chemist and druggist in the Republic of South Africa.

(2) The said diploma/certificate was/were granted to me after examination and is/are my own lawful property, and entitle me as far as professional qualifications are concerned, to practise as a chemist and druggist in the country of its/their origin, namely _____

(3) I have never in any country been convicted of any serious offence against the law or been debarred from practice by reason of misconduct and to the best of my knowledge and belief no proceedings involving or likely to involve a charge of any such nature are pending against me in any country at the present time.

(Signature) _____

So sworn before me at _____ this _____ day of _____ 19 _____

(Signature) _____

Justice of the Peace or Commissioner of Oaths for the District of _____

10c Revenue Stamp.

If the applicant is unable to make the declaration in paragraph 3, the Board, in order to consider the application, will require full particulars of the reasons for his inability.

3. „By aansoek van 'n regspersoon wat voornemens is om binne die Unie besigheid as apteker te dryf vir registrasie kragtens subartikel (1) (b) van artikel 76—

- (a) die oorspronklike sertifikaat van inlywing deur die Registrateur van Maatskappye uitgereik;
- (b) die akte van oprigting en die statute;
- (c) 'n kopie van Maatskappyeform J, by die Registrateur van Maatskappye ingedien, met 'n sertifikaat in die vorm van Bylae G.
- (d) 'n aansoek in die vorm van Bylae N;
- (e) 'n brief wat deur die Maatskappy gerig is aan die besturende direkteur waarin sy pligte omskrywe is, of die volmag van die maatskappy aan die besturende direkteur waarin sy pligte uiteengesit is.”;

4. By aansoek van 'n regspersoon wat besigheid dryf as apteker alleen vir die registrasie van die besturende direkteur—

- (a) 'n aansoek in die vorm van Bylae H;
- (b) 'n sertifikaat van aanvaarding en verklaring van die besturende direkteur in die vorm van Bylae I;
- (c) die brief wat deur die maatskappy gerig is aan die besturende direkteur waarin sy pligte omskrywe is, of die volmag van die maatskappy aan die besturende direkteur waarin sy pligte uiteengesit is”.

5. By aansoek om registrasie as 'n ongekwalfiseerde assistent kragtens subartikel (1) *bis* van artikel *twee-entertig* van die Wet:—

- (a) 'n Aansoek in die vorm van Bylae O;
- (b) Dokumentêre bewys dat hy 'n leerlingenskap soos in artikel *sewe-en-twintig* van die Wet omskrywe, deurgemaak het.

Registrasiesertifikaat.

- (i) Registrasiesertifikaat waardeur aptekers geregtig is om binne die Republiek van Suid-Afrika te praktiseer, moet wees in die vorm van Bylae J.
- (ii) Sertifikaat van registrasie van persone as besturende direkteure van maatskappye wat besigheid doen as aptekers, moet wees in die vorm van Bylae K.
- (iii) Sertifikaat van registrasie van addisionele diplomas of sertifikate moet wees in die vorm van Bylae L.
- (iv) Sertifikaat van registrasie as 'n ongekwalfiseerde assistent, moet in die vorm wees van Bylae P.

BYLAE A.

Ek, die ondergetekende,*
verklaar hierby onder ede dat:—

(1) Ek die persoon is, genoem in bygaande diploma of sertifikaat, naamlik:—

- (a) _____, gedateer _____
- (b) _____, gedateer _____
- (c) _____, gedateer _____

deur my ingedien tot ondersteuning van my aansoek om as Apteker in die Republiek van Suid-Afrika geregistreer te word.

(2) Genoemde diploma/sertifikaat is my na afgelegde eksamen toegeken en is my eie wettige eiendom, ingevolge waarvan ek, vir sover dit professionele kwalifikasies betref, geregtig is om as apteker te praktiseer binne die land van sy/hulle herkoms, naamlik _____

(3) Ek is nog nooit in enige land weens enige ernstige oortreding van enige wet veroordeel of weens wangedrag belet om te praktiseer nie, en volgens my beste wete en oortuiging is daar geen proses waarby enige aanklag van 'n dergelike aard betrokke of moontlik betrokke is, tans in enige land teen my hangende nie.

(Handtekening) _____

Beëdig voor my te _____ hierdie dag van _____ 19 _____

(Handtekening) _____

Vrederegter of Kommissaris van Ede vir die Distrik _____

10c Inkomsteseël.

As die applikant nie in staat is om die verklaring volgens paragraaf 3 te maak nie, kan die Kommissie, teneinde die aansoek te oorweeg, alle besonderhede van hom vereis waarom hy nie daartoe in staat is nie.

ANNEXURE B.

I, the undersigned† _____
being a registered chemist and druggist, of _____
_____, hereby make oath and declare:

I personally know _____
whose signature appears above. To the best of my knowledge and
belief the statements in his declaration are true. I consider him to be
a fit and proper person to be registered as a chemist and druggist.

(Signature) _____

Sworn before me at _____ this _____
day of _____ 19 _____

(Signature) _____

Justice of the Peace or Commis-
sioner of Oaths for the District of _____

10c Revenue Stamp. _____

*Insert full name and address.

†This declaration should be made by a registered chemist and
druggist.

ANNEXURE C.

I am a British subject and was born at _____
in the Republic of South Africa on _____

(Signature) _____

Sworn before me at _____ this _____
day of _____ 19 _____

(Signature) _____

Justice of the Peace or Commis-
sioner of Oaths for the District of _____

10c Revenue Stamp. _____

or
I am a British subject and was domiciled at _____
in the Republic of South Africa, when I commenced my professional
studies and proceeded from South Africa on _____
for the purpose of prosecuting those studies.

(Signature) _____

Sworn before me at _____ this _____
day of _____ 19 _____

(Signature) _____

Justice of the Peace or Commis-
sioner of Oaths for the District of _____

10c Revenue Stamp. _____

ANNEXURE D.

I was born at _____ in _____
on the _____ and was lawfully married on _____
to _____
whose name is/was on the register of chemists and druggists for the
Republic of South Africa.

(Signature) _____

Sworn before me at _____ this _____
day of _____ 19 _____

(Signature) _____

Justice of the Peace or Commis-
sioner of Oaths for the District of _____

10c Revenue Stamp. _____

ANNEXURE E.

I request to have entered in the Register of Chemists and Druggists
for the Republic of South Africa against my name the following
additional Diploma or Certificate whereof I hereby declare on oath
that I am lawfully possessed:—

Name in full. _____

Qualification and Date. _____

(Signature) _____

Address. _____

Sworn before me at _____ this _____
day of _____ 19 _____

(Signature) _____

Justice of the Peace or Commis-
sioner of Oaths for the District of _____

10c Revenue Stamp. _____

BYLAE B.

Ek, die ondergetekende † _____, verklaar
van _____
hierby onder ede:

Ek ken persoonlik _____
van wie die naamtekening hierbo verskyn. Volgens my beste wete
en oortuiging is die bewerings in sy verklaring waar. Ek ag hom 'n
geskikte en bevoegde persoon te wees om as Apteker geregistreer te
word.

(Handtekening) _____

Beëdig voor my te _____ hierdie _____
dag van _____ 19 _____

(Handtekening) _____

Vrederegter of Kommissaris van
Ede vir die Distrik _____

10c. Inkomsteseël. _____

* Vul in volle naam en adres.

† Die ondertekenaar moet 'n geregistreerde Apteker wees.

BYLAE C.

Ek is 'n Britse onderdaan, gebore te _____
in die Republiek van Suid-Afrika op _____

(Handtekening) _____

Beëdig voor my te _____ hierdie _____
dag van _____ 19 _____

(Handtekening) _____

Vrederegter of Kommissaris van
Ede vir die Distrik _____

10c Inkomsteseël. _____

Of,
Ek is 'n Britse onderdaan en was te _____
in die Republiek van Suid-Afrika woonagtig, toe ek met my pro-
fessionele studies 'n aanvang gemaak het en het op _____
van Suid-Afrika vertrek ten einde hierdie studies voort te sit.

(Handtekening) _____

Beëdig voor my te _____ hierdie _____
dag van _____ 19 _____

(Handtekening) _____

Vrederegter of Kommissaris van
Ede vir die Distrik _____

10c Inkomsteseël. _____

BYLAE D.

Ek is gebore te _____, in _____
op die _____ en is op _____
wettig getroud met _____, wie se
naam op die Register van Aptekers vir die Republiek van Suid-Afrika
is/was.

(Handtekening) _____

Beëdig voor my te _____ hierdie _____
dag van _____ 19 _____

(Handtekening) _____

Vrederegter of Kommissaris van
Ede vir die Distrik _____

10c Inkomsteseël. _____

BYLAE E.

Ek versoek dat onderstaande addisionele diploma of sertifikaat,
waarvan ek hierby onder ede verklaar die wettige besitter te wees,
agter my naam in die Register van Aptekers vir die Republiek van
Suid-Afrika ingeskrywe sal word.

Volle Naam. _____

Kwalifikasies en Datum. _____

(Handtekening) _____

Adres _____

Beëdig voor my te _____ hierdie _____
dag van _____ 19 _____

(Handtekening) _____

Vrederegter of Kommissaris van
Ede vir die Distrik _____

10c Inkomsteseël. _____

ANNEXURE F.

I, _____
of _____
being desirous that my name should be restored to the register of
chemists and druggists for the Republic of South Africa, hereby
make oath and declare that I am the person mentioned in the accom-
panying certificate of registration issued to me by the _____

and dated _____

I also declare that I have never in any country been convicted of
any serious offence against the law or been debarred from practice
by reason of misconduct and to the best of my knowledge and belief
no proceedings involving or likely to involve a charge of any such
nature are pending against me in any country at the present time.

(Signature) _____
Sworn before me at _____ this _____
day of _____ 19 _____

(Signature) _____
Justice of the Peace or Commis-
sioner of Oaths for the District of _____

10c Revenue Stamp.

ANNEXURE G.

I certify that receipt of the original form, of which this is a copy,
was acknowledged by the Registrar of Companies by _____
dated _____

Date _____ Managing Director.

ANNEXURE H.

The Registrar,
The South African Pharmacy Board,
P.O. Box 96, Pretoria.

Sir,
I beg to apply for the registration of _____
who was appointed managing director of (name of company) _____
a company carrying on business as
chemists and druggists at _____
as and from _____ by resolution dated _____

Yours faithfully,

Date _____ Chairman or Secretary.

ANNEXURE I.

I, _____
hereby notify The South African Pharmacy Board that I have accepted
the position of managing director of _____

I declare that I am a registered chemist and druggist residing in the
Republic and that I am not engaged in the business of a chemist
and druggist which does not belong to the said company.

Date _____ Signature of Managing Director.

ANNEXURE J.

THE SOUTH AFRICAN PHARMACY BOARD.

REGISTRATION CERTIFICATE.
(Issued under Act No. 13 of 1928.)

This is to certify that _____
being the holder of the following diploma or certificate:—

is registered as a _____
Chemist and Druggist
in accordance with the provisions of section _____ of
the Medical, Dental and Pharmacy Act, 1928, and is hereby authorized
to practice as such* within the Republic of South Africa.

Pretoria, _____, 19 _____ Registrar.

ANNEXURE K.

THE SOUTH AFRICAN PHARMACY BOARD.

Registration of a Managing Director under section seventy-six of the
Medical, Dental and Pharmacy Act, 1928.

This is to certify that _____
a chemist and druggist, has been registered as managing director of
the company carrying on business as chemists and druggists in the
Republic of South Africa under the name of _____

Pretoria, _____, 19 _____ Registrar.

BYLAE F.

Ek, _____
van _____
verlang dat my naam weer op die Register van Aptekers vir die
Republiek van Suid-Afrika geplaas word, en verklaar hierby onder
ede dat ek die persoon is genoem in bygaande registrasiesertifikaat
aan my deur die _____

uitgereik en gedateer die _____

Ek verklaar tewens dat ek nooit in enige land weens enige ernstige
oortreding van die wet veroordeel is, of weens wangedrag belet is
om te praktiseer nie, en dat volgens my beste wete en oortuiging daar
geen proses waarby 'n aanklag van 'n dergelike aard-betrokke of
moontlik betrokke is, tans in enige land teen my hangende is nie.

(Handtekening) _____

Beëdig voor my te _____ hierdie _____
dag van _____ 19 _____

(Handtekening) _____
Vrederegter of Kommissaris van
Ede vir die Distrik _____

10c Inkomsteseël.

BYLAE G.

Ek sertifiseer dat ontvangs van die oorspronklike vorm waarvan dit
'n kopie is per _____ gedateer _____
deur die Registrateur van Maatskappye erken is.

Datum _____ Besturende Direkteur.

BYLAE H.

Aan die Registrateur,
Suid-Afrikaanse Aptekerskommissie,
Posbus 96, Pretoria.

Meneer,
Ek wens aansoek te doen om die registrasie van _____
wat benoem is tot besturende direkteur van (naam van maatskappy) _____
'n maatskappy wat aptekersbesigheid _____ vanaf _____
doen te _____ volgens besluit gedateer _____
U dienswillige,

Datum _____ Voorsitter of Sekretaris.

BYLAE I.

Ek, _____, gee hierby
kennis aan die Suid-Afrikaanse Aptekerskommissie dat ek die betrek-
king van besturende direkteur van _____
aanvaar het.

Ek verklaar dat ek 'n geregistreerde apteker woonagtig in die
Republiek is en dat ek nie in 'n aptekersbesigheid werksaam is wat
nie aan genoemde maatskappy behoort nie.

Handtekening van Besturende
Direkteur.

Datum _____

BYLAE J.

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

SERTIFIKAAT VAN REGISTRASIE.
(Uitgereik volgens Wet No. 13 van 1928.)

Hierby word gesertifiseer dat _____
wat die besitter is van onderstaande diploma of sertifikaat:

geregistreer is as _____
Apteker
ooreenkomstig die bepalings van artikel _____ van die Wet op
Geneeshere, Tandartse en Aptekers, 1928, en hierby geoutoriseer is
om as sodanig* binne die Republiek van Suid-Afrika te praktiseer.

Pretoria, _____, 19 _____ Registrateur.

BYLAE K.

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

Registrasie van Besturende Direkteur volgens artikel ses-en-sewentig
van die Wet op Geneeshere, Tandartse en Aptekers, 1928.

Hierby word gesertifiseer dat _____
'n apteker, geregistreer is as besturende direkteur van die maatskappy
wat aptekersbesigheid binne die Republiek van Suid-Afrika doen
onder die naam van _____

Pretoria, _____, 19 _____ Registrateur.

ANNEXURE L.

No. _____

THE SOUTH AFRICAN PHARMACY BOARD.

Registration of Additional Qualifications.

(Under section thirty-three of the Medical, Dental and Pharmacy Act, 1928.)

The additional diplomas or certificates appearing below have been inserted in the Register of Chemists and Druggists for the Republic of South Africa against the name of _____

Pretoria, _____, 19 _____ Registrar.

Diploma or Certificate already
registered.Diploma or Certificate now
registered.

*In a registration effected under section ninety-nine (8) of the Act the words "in the Mandated Territory of South West Africa only" to be inserted here.

ANNEXURE M.

THE SOUTH AFRICAN PHARMACY BOARD.

Registration of a Body Corporate under section seventy-six of the Medical, Dental and Pharmacy Act, 1928.

This is to certify that the corporate body _____ which trades also under the name/names _____ has been registered in accordance with the provisions of section seventy-six of Act No. 13 of 1928.

Pretoria, _____, 19 _____ Registrar.

ANNEXURE N.

I beg to make application—

- (1) for the registration of _____
a body corporate to carry on business as a chemist and
druggist under the trade name/names _____
at the following address/addresses _____
and whose head office is situated at _____

This body corporate will also carry on business as a chemist
and druggist in the partnership/partnerships _____

under the trade name/names _____
at the following address/addresses _____

- (2) for the registration of _____
who has been appointed as the managing director of this
body corporate.

_____, 19 _____ Chairman or Secretary.

ANNEXURE O.

Address _____

Date _____

I, _____
hereby make oath and declare that:—

- (1) I have completed a contract of apprenticeship to a chemist and
druggist in the Republic of South Africa to the satisfaction of
the South African Pharmacy Board;
OR (delete what is not applicable).
- (2) I have completed a contract of apprenticeship to a chemist and
druggist for a period of not less than two years in* _____
(name of country or state) _____
in accordance with the laws of that country and that I am the
person referred to in the relevant documents attached hereto.
- (3) My master was _____
and his pharmacy was situated at _____

10 Cent
Revenue
Stamp.

(Signature) _____

Signed and sworn before me at _____ on the
_____ day of _____
by the deponent who declared that he knows and understands the
contents of this affidavit.

Justice of the Peace or Commis-
sioner of Oaths.

BYLAE L.

No. _____

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

Registrasie van Addisionele Kwalifikasies.
(Volgens artikel drie-en-dertig van die Wet op Geneeshere, Tand-
artse en Aptekers, 1928.)

Die addisionele diplomas of sertifikate hieronder vermeld is in die
Register van Aptekers vir die Republiek van Suid-Afrika, ingeskrywe
agter die naam van _____

Pretoria, _____, 19 _____ Registrateur.

Diploma of Sertifikaat
reeds geregistreer.Diploma of Sertifikaat
tans geregistreer.

* By 'n registrasie volgens artikel nege-en-negentig (8) van die Wet,
moet die woorde „alleen in die Mandaatgebied van Suidwes-Afrika”,
hier ingevul word.

BYLAE M.

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

Registrasie van 'n regspersoon kragtens artikel ses-en-sewentig van die
Wet op Geneeshere, Tandartse en Aptekers, 1928.

Hierby word gesertifiseer dat die regspersoon _____
wat ook handel onder die naam/name _____
ooreenkomstig die bepalings van artikel ses-en-sewentig van Wet No.
13 van 1928 geregistreer is.

Pretoria, _____, 19 _____ Registrateur.

BYLAE N.

Ek wens aansoek te doen—

- (1) om die registrasie van _____
'n regspersoon om besigheid as apteker te dryf onder die handels-
naam/name _____
by die volgende adres/adresse _____
en wie se hoofkantoor geleë is te _____

Hierdie regspersoon sal ook besigheid dryf as apteker in die
vennootskap/vennootskappe _____
onder die handelsnaam/name _____
by die volgende adres/adresse _____

- (2) om die registrasie van _____
wat as besturende direkteur van hierdie regspersoon aangestel is.

_____, 19 _____ Voorsitter of Sekretaris.

BYLAE O.

Adres _____

Datum _____

Ek, _____
verklaar hierby onder eed dat:—

- (1) Ek 'n kontrak van leerlingskap by 'n apteker in die Republiek
van Suid-Afrika tot tevredeheid van die Suid-Afrikaanse
Aptekersraad, voltooi het;
OF (skrap wat nie van toepassing is nie).
- (2) Ek 'n kontrak van leerlingskap by 'n apteker, oor 'n tydperk van
minstens twee jaar voltooi het in* _____

(naam van land of staat) _____

ooreenkomstig die wette van daardie land en dat ek die persoon
is na wie verwys word in die betrokke dokumente hierby aan-
geheg.

- (3) My meester was _____
en sy apteek was geleë te _____

Inkomsteseël
van 10 sent.

(Handtekening) _____

Geteken en beëdig voor my te _____ op die
_____ dag van _____
deur die deponent wat verklaar het dat hy op hoogte is van die inhoud
van hierdie verklaring en dit begryp.

Vrederegter of Kommissaris van
Ede.

ANNEXURE P.

THE SOUTH AFRICAN PHARMACY BOARD.

This is to certify that

is registered as an unqualified assistant to a chemist and druggist and may be employed under the supervision of a chemist and druggist as is provided in the Medical, Dental and Pharmacy Act, No. 13 of 1928, as amended.

Date _____ Registrar.

*Insert name of country or state.

No. R. 669.] [10 May 1963.]

The Minister of Health, in exercise of the powers conferred upon him by sub-section (4) of section *ninety-four* of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules made by the South African Pharmacy Board under sub-section (2) of the said section of the Act in substitution for the rules published under Government Notice No. 2263 of 7th December, 1956:—

RULES REGARDING REGISTRATION OF PRIMARY QUALIFICATIONS.

The register of chemists and druggists shall indicate the registered primary qualifications of each chemist and druggist by the appropriate abbreviations as indicated hereunder:—

Diploma of South African Pharmacy Board.....	Dip. Pharm.
Chemist and Druggist Certificate, Colonial Pharmacy Board.....	C & D (Cape).
Chemist and Druggist Certificate, Natal Pharmacy Board.....	C & D (Natal).
Chemist and Druggist Certificate, Medical and Pharmacy Council of the Orange Free State.....	C & D (O.F.S.).
Chemist and Druggist Certificate, Transvaal Pharmacy Board.....	C & D (Tvl.).
Chemist and Druggist Certificate of the Pharmaceutical Society of Great Britain.....	C & D (Gt. Br.).
Pharmaceutical Chemist Certificate of the Pharmaceutical Society of Great Britain.....	Ph.C. (Gt. Br.).
Approbation als Apotheker, Germany.....	Apb. als Apk. (Germany).

No. R. 670.] [10 May 1963.]

The Minister of Health in exercise of the powers conferred upon him by sub-section (4) of section *ninety-four* of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules made by the South African Pharmacy Board under sub-section (2) of the said section of the Act in substitution for the rules published under Government Notice No. 1461 of 24th September, 1937, as amended by Government Notices No. 1094 of 28th July, 1939, No. 633 of 2nd April, 1943, No. 637 of 20th April, 1945, No. 1133 of 23rd May, 1952, No. 2262 of 7th December, 1956, No. 1566 of 11th October, 1957, No. 339 of 7th March, 1958, No. 1072 of 17th July, 1959, No. 2 of 6th January, 1961, and No. 815 of 26th May, 1961:—

RULES REGARDING REGISTRATION OF ADDITIONAL QUALIFICATIONS.

The following degrees, diplomas or certificates may be registered as additional qualifications under section 33, Act No. 13 of 1928, by chemists and druggists:—

- (1) Any degree, diploma or certificate which would entitle the holder to registration as a chemist and druggist.

BYLAE P.

DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE.

Hierby word gesertifiseer dat

geregistreer is as 'n ongekwalifiseerde assistent van 'n apteker en onder toesig van 'n apteker soos bepaal in die Wet op Geneeshere, Tandartse en Aptekers, No. 13 van 1928, soos gewysig, in diens gemeen kan word.

Datum _____ Registrateur.

* Vul in naam van land of staat.

No. R. 669.] [10 Mei 1963.]

Die Minister van Gesondheid het, in uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel *vier-en-negentig* van die Wet op Geneeshere, Tandartse en Aptekers, 1928 (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls wat deur die Suid-Afrikaanse Aptekerskommissie ingevolge subartikel (2) van genoemde artikel van die Wet opgestel is ter vervanging van die reëls uitgevaardig ingevolge Goewermentskennisgewing No. 2263 van 7 Desember 1956:—

REËLS BETREFFENDE DIE REGISTRASIE VAN AANVANKLIKE KWALIFIKASIES.

In die register van aptekers moet die aanvanklike geregistreerde kwalifikasies van elke apteker deur die toepaslike afkortings soos hieronder aangewys, aangedui word:—

Diploma van die Suid-Afrikaanse Aptekerskommissie.....	Dip. Farm.
Aptekers Sertifikaat, „Colonial Pharmacy Board”.....	Apt. (Kaap).
Aptekers Sertifikaat, „Natal Pharmacy Board”.....	Apt. (Natal).
Aptekers Sertifikaat, „Medical & Pharmacy Council of the Orange Free State”.....	Apt. (O.V.S.).
Aptekers Sertifikaat, „Transvaal Pharmacy Board”.....	Apt. (Tvl.).
Sertifikaat as Apteker van die „Pharmaceutical Society of Great Britain”.....	C & D. (Gt. Br.).
Sertifikaat as Farmaseutiese Apteker van die „Pharmaceutical Society of Great Britain”.....	Ph. C. (Gt. Br.).
Approbation als Apotheker, Duitsland.....	Apb. als Apk. (Duits.)

No. R. 670.] [10 Mei 1963.]

Die Minister van Gesondheid het in uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel *vier-en-negentig* van die Wet op Geneeshere, Tandartse en Aptekers, 1928 (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls wat deur die Suid-Afrikaanse Aptekerskommissie ingevolge subartikel (2) van genoemde artikel van die Wet opgestel is ter vervanging van die reëls uitgevaardig ingevolge Goewermentskennisgewing No. 1461 van 24 September 1937, soos gewysig deur Goewermentskennisgewings No. 1094 van 28 Julie 1939, No. 633 van 2 April 1943, No. 637 van 20 April 1945, No. 1133 van 23 Mei 1952, No. 2262 van 7 Desember 1956, No. 1566 van 11 Oktober 1957, No. 339 van 7 Maart 1958, No. 1072 van 17 Julie 1959, No. 2 van 6 Januarie 1961 en No. 815 van 26 Mei 1961.

REËLS BETREFFENDE DIE REGISTRASIE VAN ADDISIONELE KWALIFIKASIES.

Die volgende grade, diplomas of sertifikate kan ten opsigte van aptekers en drogiste as addisionele kwalifikasies kragtens artikel *drie-en-dertig*, Wet No. 13 van 1928, geregistreer word:—

- (1) Enige graad, diploma of sertifikaat wat die houer daarvan geregtig maak om as apteker geregistreer te word.

(2) The following degrees, diplomas or certificates:—

Bachelor of Science (Pharmacy) of the University of Manchester.—[Abbreviation—B.Sc. (Pharm.) Univ. Manch.]

Bachelor of Science (Pharmacy) of the University of Glasgow.—[Abbreviation—B.Sc. (Pharm.) Univ. Glasg.]

Bachelor of Pharmacy of the University of London.—[Abbreviation—(B.Pharm. Univ. Lond.).]

Master of Science (Pharmacy) of the University of Manchester.—[Abbreviation—M.Sc. (Pharm.) Univ. Manch.]

Bachelor of Science of the University of London.—[Abbreviation—B.Sc. Univ. London] ⁽¹⁾.

Bachelor of Science of the University of Cape Town.—[Abbreviation—B.Sc. Univ. Cape Town] ⁽¹⁾.

Bachelor of Science of the University of Pretoria.—[Abbreviation—B.Sc. Univ. Pretoria] ⁽¹⁾.

Bachelor of Science of the University of South Africa.—[Abbreviation—B.Sc. Univ. S.A.] ⁽¹⁾.

Bachelor of Science of the University of Stellenbosch.—[Abbreviation—B.Sc. Univ. Stel.] ⁽¹⁾.

Bachelor of Science of the University of the Witwatersrand.—[Abbreviation—B.Sc. Univ. WWRand] ⁽¹⁾.

Bachelor of Science, University of Natal.—[Abbreviation—B.Sc. Univ. Natal] ⁽¹⁾.

Bachelor of Science, University of Orange Free State.—[Abbreviation—B.Sc. Univ. O.F.S.] ⁽¹⁾.

Bachelor of Science, University of Potchefstroom.—[Abbreviation—B.Sc. Univ. Potch.] ⁽¹⁾.

Bachelor of Science (Pharmacy) (Honours), Potchefstroom University for Christian Higher Education.—[Abbreviation—B.Sc. (Pharm.) (Hons.) Potch. Univ.]

Master of Science (Pharmacy) Potchefstroom University for Christian Higher Education.—[Abbreviation—M.Sc. (Pharm.) Potch. Univ.]

Doctor of Science (Pharmacy), Potchefstroom University for Christian Higher Education.—[Abbreviation—D.Sc. (Pharm.) Potch. Univ.]

Bachelor of Science, Rhodes University.—[Abbreviation—B.Sc. Rhodes Univ.] ⁽¹⁾.

Bachelor of Science with Honours, Rhodes University.—[Abbreviation—B.Sc. (Hons.) Rhodes Univ.]

Associateship of the Institute of Chemistry of Great Britain and Ireland.—[Abbreviation—A.I.C. Gt. Brit. & Irel.]

Fellowship of the Institute of Chemistry of Great Britain and Ireland.—[Abbreviation—F.I.C. Gt. Brit. & Irel.]

Doctor of Science of the University of South Africa.—[Abbreviation—D.Sc. Univ. S.A.]

Diploma in Bio-chemical Analysis of the Pharmaceutical Society of Great Britain.—[Abbreviation—D.B.A. (Gt. Br.).]

The Diploma in Clinical Chemistry of the Pharmaceutical Society of South Africa. (Abbreviation: D.C.C.)

Bestallung als Apotheker (Germany).—[Abbreviation: Best. als Apoth. (Germany).]

(2) Die volgende grade, diplomas of sertifikate:—

Baccalaureus Scientiae (Artsenykunde) van die Universiteit van Manchester.—[Afkorting—B.Sc. (Pharm.) Univ. Manch.]

Baccalaureus Scientiae (Artsenykunde) van die Universiteit van Glasgow.—[Afkorting—B.Sc. (Pharm.) Univ. Glasg.]

Baccalaureus Pharmacopoeiae van die Universiteit van Londen.—[Afkorting—B.Pharm. Univ. Lond.]

„Master of Science (Pharmacy) of the University of Manchester”.—[Afkorting—M.Sc. (Pharm.) Univ. Manch.]

Bachelor of Science of the University of London.—[Afkorting—B.Sc. Univ. Lond.] ⁽¹⁾.

Baccalaureus Scientiae van die Universiteit van Kaapstad.—[Afkorting—B.Sc. Univ. Kaapstad] ⁽¹⁾.

Baccalaureus Scientiae van die Universiteit van Pretoria.—[Afkorting—B.Sc. Univ. Pretoria] ⁽¹⁾.

Baccalaureus Scientiae van die Universiteit van Suid-Afrika.—[Afkorting—B.Sc. Univ. S.A.] ⁽¹⁾.

Baccalaureus Scientiae van die Universiteit van Stellenbosch.—[Afkorting—B.Sc. Univ. Stel.] ⁽¹⁾.

Baccalaureus Scientiae van die Universiteit van Witwatersrand.—[Afkorting—B.Sc. Univ. WW-Rand] ⁽¹⁾.

Baccalaureus Scientiae, Universiteit van Natal.—[Afkorting—B.Sc. Univ. Natal] ⁽¹⁾.

Baccalaureus Scientiae, Universiteit van die Oranje-Vrystaat.—[Afkorting—B.Sc. Univ. O.V.S.] ⁽¹⁾.

Baccalaureus Scientiae, Universiteit van Potchefstroom.—[Afkorting—B.Sc. Univ. Potch.] ⁽¹⁾.

Honneurs Baccalaureus Scientiae (Farmasie), Potchefstroomse Universiteit vir Christelike Hoër Onderwys. [Afkorting—Honns. B.Sc. (Farm.) Potch. Univ.]

Magister Scientiae (Farmasie) Potchefstroomse Universiteit vir Christelike Hoër Onderwys. [Afkorting—M.Sc. (Farm.) Potch. Univ.]

Doctor Scientiae (Farmasie), Potchefstroomse Universiteit vir Christelike Hoër Onderwys. [Afkorting—D.Sc. (Farm.) Potch. Univ.]

Baccalaureus Scientiae, Rhodes-universiteit.—[Afkorting—B.Sc. Rhodes-univ.] ⁽¹⁾.

Honneurs-baccalaureus Scientiae, Rhodes-Universiteit. [Afkorting—B.Sc. (Hon.) Rhodes-Univ.]

Associateship of the Institute of Chemistry of Great Britain and Ireland.—[Afkorting—A.I.C. Gt. Brit. & Irel.]

Fellowship of the Institute of Chemistry of Great Britain and Ireland.—[Afkorting—F.I.C. Gt. Brit. & Irel.]

Doctor Scientiae van die Universiteit van Suid-Afrika.—[Afkorting—D.Sc. Univ. S.A.]

Diploma in „Bio-chemical Analysis of the Pharmaceutical Society of Great Britain”.—[Afkorting—D.B.A. (Gt. Brit.).]

Die Diploma in Kliniese Skeikunde van die Pharmaceutiese Vereniging van Suid-Afrika. (Afkorting: D.K.S.)

Bestallung als Apotheker (Duitsland). [Afkorting: Best. als Apoth. (Duitsland).]

¹ Provided that one of the major subjects taken for such degree is Chemistry.

⁽¹⁾ Op voorwaarde dat Skeikunde een van die hoofvakke is wat vir so 'n graad geneem is.

No. R. 671.]

[10 May 1963.]

The Minister of Health, in exercise of the powers conferred upon him by sub-section (4) of section *ninety-four* of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules made by the South African Pharmacy Board under sub-section (2) of the said section of the Act in substitution for the rules published under Government Notice No. 378 of 14th March, 1958:—

RULES RELATING TO THE FURNISHING OF INFORMATION TO THE REGISTRAR CONCERNING THE PHARMACY OR PHARMACIES WITH WHICH A REGISTERED CHEMIST AND DRUGGIST IS CONNECTED.

1. Every chemist and druggist who is the owner or part-owner of a pharmacy or the managing director of a corporate body which owns a pharmacy and every chemist and druggist employed in charge of any pharmacy as defined in the Medical, Dental and Pharmacy Act, shall notify the Registrar of the South African Pharmacy Board—

- (a) of any change of ownership, change of address of such pharmacy, change of manager of the pharmacy or change of chemist and druggist employed in charge of such pharmacy within 30 days of such change;
- (b) of the closing down of any such pharmacy within 30 days of such closing; and
- (c) of the name and address, the name of the owner and the name of the manager of any such pharmacy particulars of which do not appear in the latest edition of the Register of Pharmacies, within 30 days of the date hereof.

2. Every chemist and druggist who, after the date of publication of these rules, opens or causes to be opened a pharmacy, shall within 30 days of such opening notify the Registrar of the South African Pharmacy Board, of the name and address of the pharmacy, the name of the owner and the name of the manager of the pharmacy, or the name of the chemist and druggist in charge of such pharmacy.

No. R. 672.]

[10 May 1963.]

The Minister of Health, in exercise of the powers conferred upon him by sub-section (4) of section *ninety-four* of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules made by the South African Pharmacy Board under sub-section (2) of the said section of the Act and upon the authority of the State President in exercise of the powers vested in him by sub-section (2) of section *ninety-five* of the said Act (*vide* Proclamation No. 203 of 1962), in substitution for the rules published under Government Notice No. 340 of 22nd February, 1952, as amended by Government Notices No. 2090 of 15th October, 1954, and No. 1827 of 2nd November, 1962:—

RULES REGARDING THE PAYMENT OF ANNUAL FEES BY CHEMISTS AND DRUGGISTS.

With effect from the calendar year 1963 every chemist and druggist shall pay to the South African Pharmacy Board a fee of six rand thirty cents, which fee shall be due and payable on the first day of February in each year.

No. R. 673.]

[10 May 1963.]

The Minister of Health, in exercise of the powers conferred upon him by sub-section (4) of section *ninety-four* of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules made by the South African Pharmacy Board under sub-section (2) of the said section of the Act in substitution for the rules

No. R. 671.]

[10 Mei 1963.]

Die Minister van Gesondheid het, in uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel *vier-en-negentig* van die Wet op Geneeshere, Tandartse en Aptekers, 1928 (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls wat deur die Suid-Afrikaanse Aptekerskommissie ingevolge subartikel (2) van genoemde artikel van die Wet opgestel is ter vervanging van die reëls uitgevaardig ingevolge Goewermentskenningsgewing No. 378 van 14 Maart 1958:—

REËLS BETREFFENDE DIE VERSKAFFING VAN INLIGTING AAN DIE REGISTRATEUR IN VERBAND MET DIE APTEEK OF APTEKE WAARAAN 'N GEREGISTREERDE APTEKER VERBONDE IS.

1. Elke apteker en drogis wat die eienaar of mede-eienaar van 'n apteek is of die besturende direkteur van 'n regspersoon wat 'n apteek besit en elke apteker en drogis in diens met toesig oor enige apteek soos omskryf in die Wet op Geneeshere, Tandartse en Aptekers, moet die Registrateur van die Suid-Afrikaanse Aptekerskommissie—

- (a) binne 30 dae na 'n verandering van eienaar, adres-verandering van sodanige apteek, verandering van bestuurder van die apteek of verandering van apteker en drogis in diens met toesig oor sodanige apteek van sodanige verandering in kennis stel;
- (b) binne 30 dae na die sluiting van sodanige apteek, van sodanige sluiting in kennis stel; en
- (c) binne 30 dae van die datum van hierdie kennisgewing af in kennis stel van die naam en adres, die naam van die eienaar en die naam van die bestuurder van sodanige apteek waarvan besonderhede nie in die jongste uitgawe van die Register van Apteke verskyn nie.

2. Elke apteker en drogis wat na die datum van publikasie van hierdie reëls 'n apteek open of laat open, moet die Registrateur van die Suid-Afrikaanse Aptekerskommissie binne 30 dae na sodanige opening in kennis stel van die naam en adres van die eienaar en die naam van die bestuurder van sodanige apteek of die naam van die apteker en drogis met toesig oor sodanige apteek.

No. R. 672.]

[10 Mei 1963.]

Die Minister van Gesondheid het, in die uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel *vier-en-negentig* van die Wet op Geneeshere, Tandartse en Aptekers, 1928 (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls wat deur die Suid-Afrikaanse Aptekerskommissie ingevolge subartikel (2) van genoemde artikel van die Wet opgestel is en op gesag van die Staats-President in die uitoefening van die bevoegdheid hom verleen by subartikel (2) van artikel *vyf-en-negentig* van genoemde Wet (sien Proklamasie No. 203 van 1962), ter vervanging van die reëls uitgevaardig ingevolge Goewermentskenningsgewing No. 340 van 22 Februarie 1952, soos gewysig deur Goewermentskenningsgewings No. 2090 van 15 Oktober 1954 en No. 1827 van 2 November 1962:—

REËLS BETREFFENDE DIE BETALING VAN JAARLIKSE BEDRAE DEUR APTEKERS.

Met ingang van die kalenderjaar 1963 moet elke apteker aan die Suid-Afrikaanse Aptekerskommissie 'n bedrag van ses rand dertig sent betaal. Hierdie bedrag is elke jaar op die eerste dag van Februarie verskuldig en betaalbaar.

No. R. 673.]

[10 Mei 1963.]

Die Minister van Gesondheid het, in uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel *vier-en-negentig* van die Wet op Geneeshere, Tandartse en Aptekers (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls wat deur die Suid-Afrikaanse Aptekerskommissie ingevolge subartikel (2) van genoemde artikel

published under Government Notice No. 438 of 7th March, 1930, as amended by Government Notices No. 1804 of 13th November, 1931, No. 805 of 9th June, 1933, No. 185 of 2nd February, 1940, No. 1810 of 28th September, 1945, No. 2159 of 19th September, 1952, No. 1255 of 25th June, 1954, No. 1290 of 23rd August, 1957 and No. 402 of 25th March, 1960:—

RULES RELATING TO THE CONDUCT OF BUSINESS OF THE SOUTH AFRICAN PHARMACY BOARD AND OTHER MATTERS.

1. The ordinary meetings of the Board shall be held during the months of January and July in each year. The place at which such meetings shall be held shall be determined by the Board in accordance with section eight of the Act. The registrar shall give to each member fourteen days' written notice of such meeting, stating the business to be transacted at the meeting. The notice of fourteen days shall have effect from the date of dispatch of the letter.

The registrar shall convene a special meeting of the Board at any time, on instructions to do so from the president. The date of such special meeting shall be at least one week after dispatch of the notice summoning the same, unless the president, in the exercise of his discretion, shall deem shorter notice expedient, in which case such notice shall be sent by telegram or other more expeditious means. In every case the notice shall be sent to each member and shall clearly state the nature of the main business to be discussed thereat.

2. When about to elect a president in accordance with the provisions of section four of the Act, the members present shall elect a temporary chairman, by ballot if necessary, which ballot shall be taken by the registrar. The meeting shall then proceed to the election of president which shall be by ballot. It shall be competent for any member to nominate by ballot a member for the office of president, and the temporary chairman shall announce the names of the members so nominated and arrange for a ballot. Every vote which shall be given at such ballot for a person who has not been nominated shall be wholly void and ineffectual. Should only two persons be nominated the voting on the first ballot shall be final except in the case of an equality of votes. If more than two persons are nominated the candidate obtaining the lowest number of votes at the first ballot shall be eliminated, and thereafter successive ballots shall be taken and candidates eliminated until only two remain when the ballot shall be final, except in the case of equality of votes. In case of an equality of votes a further ballot shall be taken and, if that be indecisive, the election shall be decided by drawing lots.

3. The president, having been elected, will take the chair and members will proceed to elect successively a vice-president and a treasurer, the procedure laid down in rule 2 being followed except that in the case of an equality of votes the president shall have a casting vote.

4. The president shall preside at all ordinary and special meetings of the Board and shall be responsible for the proper conduct of the meetings; in the absence of the president, the vice-president shall take the chair, and in the absence of both president and vice-president, the members shall elect from themselves a chairman to preside at the meeting.

5. During the absence on leave of the president, the vice-president shall exercise all the functions of president.

6. If both the president and vice-president are absent on leave, the members present at any meeting shall, following the procedure in rule 2, forthwith from among themselves elect an acting president who shall exercise all the functions of president until the president or vice-president resumes duty or vacates office.

van die Wet opgestel is ter vervanging van die reëls uitgevaardig ingevolge Goewermmentskennisgewing No. 438 van 7 Maart 1930, soos gewysig deur Goewermmentskennisgewings No. 1804 van 13 November 1931, No. 805 van 9 Junie 1933, No. 185 van 2 Februarie 1940, No. 1810 van 28 September, 1945, No. 2159 van 19 September 1952, No. 1255 van 25 Junie 1954, No. 1290 van 23 Augustus 1957 en No. 402 van 25 Maart 1960:—

REËLS BETREFFENDE DIE WERKWYSE VAN DIE SUID-AFRIKAANSE APTEKERSKOMMISSIE EN ANDER SAKE.

1. Dië gewone vergaderings van die Kommissie moet gedurende die maande Januarie en Julie ieder jaar gehou word. Die plek waar sodanige vergaderings gehou moet word sal deur die Kommissie bepaal word kragtens artikel agt van die Wet. Die Registrateur moet aan ieder lid, veertien dae vooraf, skriftelik kennis van sodanige vergadering gee, met vermelding van die sake wat op die vergadering behandel moet word. Die kennisgewing van veertien dae het effek vanaf die datum waarop dit afgestuur word.

Op las van die president moet die Registrateur te enige tyd 'n buitengewone vergadering van die Kommissie belê. Die datum van sodanige buitengewone vergadering moet minstens binne een week na die versending van die byeenoepingskennisgewing wees, tensy die president, handelende volgens sy oordeel, 'n korter kennisgewing wenslik ag, en in so 'n geval sal kennisgewing per telegram of ander spoedmiddel geskied. In ieder geval moet die kennisgewing aan elke lid gestuur word en die aard van die ver naamste besigheid duidelik vermeld.

2. Wanneer 'n president gekies moet word ooreenkomstig die bepalings van artikel vier van die Wet, moet die aanwesige lede 'n tydelike voorsitter, desnoods per stembrief kies, welke stembriewe deur die Registrateur opgeneem moet word. Daarna moet die vergadering tot verkiesing van president oorgaan, wat per stembrief moet geskied. Enige lid het die bevoegdheid 'n lid per stembrief vir die amp van president te nomineer, en die tydelike voorsitter moet die name van die also genomineerde lede bekendmaak en 'n stemming per stembrief reël. Ieder stem wat tydens sodanige stemming op iemand uitgebring is wat nie genomineer is nie, is heeltemal waardeloos en kragteloos. As net twee persone genomineer is, is die eerste stemming finaal, behalwe in die geval van gelykheid van stemme. As meer as twee persone genomineer is, val die kandidaat wat die kleinste aantal stemme by die eerste stemming verwerf het weg, en daarna moet agtereenvolgens gestem word en kandidate wegval totdat net twee oorbly, wanneer die stemming finaal is, behalwe by gelykheid van stemme. In geval van gelykheid van stemme, moet weer gestem word en as dit ook onbeslissend is, moet die verkiesing met die trek van lootjies beslis word.

3. Nadat die president gekies is moet hy die voorsitterstoel inneem en moet die lede oorgaan tot verkiesing, agtereenvolgens, van 'n vise-president en 'n tesourier, waarby die prosedure in reël 2 neergelê gevolg word behalwe dat, in die geval van gelykheid van stemme, die president 'n beslissende stem het.

4. Die president moet op alle gewone en buitengewone vergaderings van die Kommissie voorsit en is verantwoordelik vir die behoorlike verloop van die vergaderings; by afwesigheid van die president, beklee die vise-president die voorsitterstoel, en by afwesigheid van president sowel as vise-president, moet die lede van uit hul midde 'n voorsitter kies om die vergadering te lei.

5. Tydens afwesigheid van die president met verlof, moet die vise-president al die funksies van die president behartig.

6. As die president sowel as die vise-president met verlof afwesig is, moet die lede op enige vergadering aanwesig, met inagneming van die prosedure in reël 2 neergelê, onmiddellik van uit hul midde 'n waarnemende president kies wat al die funksies van president moet behartig totdat die president of vise-president weer fungeer of bedank.

7. The president, vice-president or chairman presiding at a meeting shall, in case of an equality of votes, have a second or casting vote, except as provided in rule 2.

8. The president shall be, *ex officio*, a member of all committees of the Board, but shall not preside at meetings thereof unless he is chairman of the committee.

9. The treasurer shall superintend the details of income and expenditure of the Board and shall at each ordinary meeting submit a financial statement showing the Board's transactions since the previous meeting. This statement shall, if possible, be sent out with the notice calling the meeting.

10. The president, or in his absence, the vice-president, or in the absence of both, the member elected from amongst those present, shall take the chair at such hour as is fixed in the notice convening the meeting. In the event of the number of members present not being sufficient to form a quorum, the president or chairman may, after expiration of such period as he may in his discretion decide, declare the meeting postponed to a date to be fixed by him, notice of which shall be given in writing to the members.

11. All meetings of the Board when not sitting in committee shall be open to the public; but any member may, at any time during the course of any meeting, move that the Board do now sit in committee, and on such motion being seconded, it shall at once be put to the vote without discussion, and, if carried, the Board shall thereupon deliberate in private until such time as may be considered necessary, or until the subject under discussion is disposed of.

12. It shall be the duty of the registrar before recording the minutes to record the names of the members present.

13. At every ordinary meeting of the Board, the following order of proceedings shall be observed:—

- (a) The minutes of the last ordinary meeting and any subsequent meetings shall be submitted for confirmation by vote of the Board, and signed on such confirmation by the president, vice-president or member presiding.
- (b) The several reports of committees, either standing or special, shall be received.
- (c) The report of the treasurer shall be received.
- (d) The reports of the registrar or other officers of the Board shall be received.
- (e) The business deferred from previous meetings shall be considered.
- (f) Subjects of which notice by circular shall have been given by the registrar shall be considered.
- (g) Any other business and correspondence not comprehended in any of the preceding sections shall be considered.

14. It shall be competent for any member to bring under the consideration of the Board any matter or thing, or any motion, which he intends to make under the subsection (f) of rule 13 of the order list, by giving previous notice thereof to the members of the Board through the registrar, in the circular of notices, such notice or motion of amendment to be given in writing by the mover.

The rescission or amendment of a resolution passed at any previous meeting shall not be considered at a meeting unless notice to move such rescission or amendment shall have been given in writing by a member to the registrar at least 21 days before such meeting. Such notice of motion shall be placed on the agenda of the meeting.

All voting, except when a ballot is called for, shall be by a show of hands.

15. The Board shall appoint an executive committee, consisting of four members, three of whom shall constitute a quorum. It shall be the duty of the executive committee to attend to such matters as may require immediate atten-

7. Die president, vise-president of voorsitter, wat op 'n vergadering ageer, het, in die geval van gelykheid van stemme, 'n tweede of beslissende stem, behalwe soos in reël 2 bepaal.

8. Die president is ampshalwe lid van alle komitees van die Kommissie, dog hy sal nie op hul vergaderings ageer nie tensy hy voorsitter van die komitee is.

9. Die tesourier moet toesig hou oor die besonderhede van inkomste en uitgawe van die Kommissie en moet aan ieder gewone vergadering daarvan 'n finansiële verslag van die Kommissie se verhandelings sedert die vorige vergadering, voorlê. Indien moontlik moet hierdie staat saam met die kennisgewing uitgestuur word wat die vergadering byeenroep.

10. Die president, of as hy afwesig is, die vise-president, of by afwesigheid van albei, die lid wat van uit die aanwesiges gekies is, moet as voorsitter optree op sodanige uur as in die byeenroepingskennisgewing bepaal. In geval die aantal aanwesige lede nie voldoende is om 'n kworum te vorm nie, kan die president of voorsitter, nadat sodanige tydperk verstryk het as wat hy volgens sy oordeel mag besluit, die vergadering verdaag verklaar tot 'n datum deur hom te bepaal, waarvan skriftelike kennisgewing aan die lede moet gegee word.

11. Alle vergaderings van die Kommissie, behalwe as hul komiteevergaderings is, is vir die publiek toeganklik; dog enige lid kan te enige tyd gedurende die sitting voorstel dat die Kommissie as komitee sit, en as sodanige voorstel gesekondeer is, moet sonder verder bespreking daaroor gestem word, en by aanname, moet die Kommissie privaat sit vir solank as dit nodig geag mag word, of totdat die onderwerp onder bespreking afgehandel is.

12. Voordat die Registrateur die notule aanteken moet hy eers 'n presensielys van die aanwesige lede maak.

13. Op alle gewone vergaderings van die Kommissie moet die volgende prosedure in ag geneem word:—

- (a) Die notule van die vorige gewone vergadering en van enige daaropvolgende vergaderings moet vir bekragtiging deur 'n stemming van die Kommissie voorgelê word, en by sodanige bekragtiging deur die president, vise-president of voorsittende lid onderteken word.
- (b) Die verskillende rapporte van daelikse of spesiale komitees moet voorgebring word.
- (c) Die rapport van die tesourier moet voorgebring word.
- (d) Die rapporte van die Registrateur of ander beamptes van die Kommissie moet voorgebring word.
- (e) Die onafgehandelde sake van vorige vergaderings moet bespreek word.
- (f) Besprekingspunte wat deur die Registrateur per sirkulêre bekendgemaak is moet behandel word.
- (g) Enige ander sake of briefwisseling wat nie onder enige van die voorgaande hoofde sorteer nie, moet behandel word.

14. Enige lid het die bevoegdheid om enige saak of aangeleentheid of enige voorstel wat hy, volgens onderafdeling (f) van reël 13 van die reglement wens te maak, onder die aandag van die Kommissie te bring, deur vooraf daarvan aan die lede van die Kommissie deur middel van die Registrateur, in die sirkulêre van kennisgewings kennis te gee, sodanige kennisgewing of amendement voorstel skriftelik deur die voorsteller ingedien te word.

Die herroeping of wysiging van 'n besluit wat op enige vorige vergadering geneem is, mag nie op 'n vergadering oorweeg word nie tensy kennisgewing van mosie van sodanige herroeping of wysiging skriftelik deur 'n lid aan die Registrateur minstens 21 dae voor sodanige vergadering ingehandig is. Sodanige kennisgewing van mosie moet op die agenda van die vergadering geplaas word.

Behalwe waar 'n stemming per stembrief geëis word, moet die stemming altyd by wyse van 'n handopsteking geskied.

15. Die Kommissie moet 'n uitvoerende komitee aanstel bestaande uit vier lede, drie waarvan 'n kworum sal uitmaak. Dit is die plig van die uitvoerende komitee om sodanige sake as wat onmiddellik aandag vereis dadelik

tion, to prepare as far as possible, the business for the ordinary meetings of the Board and to deal with any matter which may be expressly referred to it and clearly laid down at any ordinary meeting. The executive committee shall meet on such dates as the president may find necessary.

16. All standing committees shall be appointed annually at the January meeting of the Board.

17. All contracts approved by the Board shall be signed by the president on behalf of the Board.

18. It shall be the duty of the registrar to keep a complete record of all meetings of the Board, whether ordinary or special; to keep a true and correct account, in a proper set of books to be provided by the Board for that purpose, of all moneys received and paid by the Board, which set of books shall be audited at least once in every year by an auditor approved or appointed by the Board; to receive and record all correspondence that may be addressed to the Board, and, in conjunction with the president for the time being, to reply to all communications that may require attention pending the meeting of the Board; to prepare and send to the members of the Board all notices of meetings, either ordinary or special, in the case of ordinary meetings at least fourteen days prior to the date of such meeting; to receive written complaints from any person or persons who may desire to draw the attention of the Board to the alleged contravention of any provisions of Act No. 13 of 1928, or any law amending the same, and to lay such complaints before the Board at its next meeting; to prepare and submit for the consideration of the Board at its next ordinary meeting a report of all business transacted by him on behalf or by direction of the Board since its last ordinary meeting; to prepare and submit an annual report; and in the absence of any meeting of the Board to confer with and take instructions from the president for the time being upon any matter or matters referring to business in connection with the Board; to notify the Board when any member has been absent without leave from two consecutive ordinary meetings, and further, to discharge such functions as may from time to time be decided upon by the Board.

19. The books of the Board referred to in rule 18 shall be made up to the 31st December in each year, and a balance sheet, duly audited, together with a financial report for the past year shall be presented by the treasurer and laid upon the table of the Board at the first ordinary meeting following.

20. The Board may from time to time cause circular notices having reference to any matter pertaining to pharmacy matters contained in the Act No. 13 of 1928, or any amendment thereof, or to rules framed by the Board thereunder, to be printed and forwarded to all chemists and druggists whose names appear on the register.

21. All moneys received by the Board shall be forthwith deposited in the name of the South African Pharmacy Board, at such bank as may be decided upon by the Board. All cheques or drafts upon such bank issued by the Board for the withdrawal of any sum or sums of money therein deposited shall be signed by the treasurer and registrar on behalf of the Board, or in the case of the absence of either by the president or vice-president and either the treasurer or registrar whoever may be available.

22. (1) Members attending meetings of the Board, of Committees of the Board, or otherwise engaged in the business of the Board (including time occupied in travelling) shall be paid members' fees at the following rates:—

(a) All members of the Board, R16.80 per diem.

(b) The President of the Board (in addition to the above), R200 per annum payable half-yearly in arrear.

te behandel, sover as moontlik die agenda vir die gewone vergaderings van die Kommissie klaar te maak, en om enige saak wat tydens enige gewone vergadering aan hom met duidelike opdrag verwys is, te behandel. Die uitvoerende komitee moet op sodanige tye bymekaar kom as die president nodig mag ag.

16. Alle daeliksse komitees word deur die Kommissie jaarliks op die Januarievergadering van die Kommissie aangestel.

17. Alle kontrakte deur die Kommissie goedgekeur moet deur die president namens die Kommissie onderteken word.

18. Dit is die plig van die Registrateur om volledige aantekeninge van al die gewone of buitengewone vergadering van die Kommissie te hou, in 'n behoorlike stel boeke daarvoor deur die Kommissie voorsien, 'n juiste en korrekte verantwoording te doen van alle gelde deur die Kommissie ontvang en uitbetaal, welke stel boeke minstens eenmaal in die jaar deur 'n ouditeur deur die Kommissie goedgekeur of aangestel, nagesien moet word; alle briefwisseling wat aan die Kommissie gerig word te ontvang en daarvan aantekening te hou, en, in oorleg met die agerende president, alle mededelings te beantwoord wat, in afwagting van 'n vergadering van die Kommissie, aandag vereis; alle kennisgewings van gewone of buitengewone vergaderings, vir lede van die Kommissie klaar te maak en uit te stuur, in die geval van gewone vergaderings, minstens veertien dae voor die datum van sodanige vergadering; skriftelike klagtes in ontvangs te neem van enigeen wat begerig is die aandag van die Kommissie te bepaal by enige beweerde oortreding van enige van die artikels van Wet No. 13 van 1928, of van enige wysigende wette, en om dergelike klagtes voor die Kommissie op sy volgende vergadering te bring; 'n rapport oor alle sake deur hom namens of in opdrag van die Kommissie op sy vorige gewone vergadering, sedertdien afgehandel, klaar te maak en aan die volgende gewone vergadering van die Kommissie voor te lê; 'n jaarverslag klaar te maak en voor te lê; en om, as daar geen vergadering van die Kommissie was nie, met die president te raadpleeg en van hom middelerwyl instruksies te ontvang in verband met enige saak of sake betreffende Kommissie-aangeleenthede; die Kommissie in kennis te stel wanneer enige lid, sonder verlof, van twee agtereenvolgende gewone vergaderings afwesig was; en om verder sodanige funksies te behartig as van tyd tot tyd deur die Kommissie mag bepaal word.

19. Die boeke van die Kommissie waarna in reël 18 verwys is moet tot op 31 Desember ieder jaar bygehou word, en moet die tesourier 'n behoorlik geoutiteerde balansstaat, tesame met 'n finansiële verslag vir die afgelopen jaar indien en op die tafel van die Kommissie lê, vir bespreking op sy eersvolgende gewone vergadering.

20. Die Kommissie kan van tyd tot tyd sirkulêre kennisgewings met betrekking tot enige saak in verband met aptekersaangeleenthede, vervat in Wet No. 13 van 1928, of enige wysiging daarvan, of in verband met reëls deur die Kommissie daaronder opgetrek, laat druk en aan alle aptekers en drogiste wat op die register ingeskrywe is, stuur.

21. Alle gelde deur die Kommissie ontvang moet dadelik, in naam van die Suid-Afrikaanse Aptekerskommissie, in sodanige bank as die Kommissie mag besluit, gedeponeer word. Alle tjeks of wissels deur die Kommissie op sodanige bank getrek, vir enige bedrag of bedrae daarin gederoneer, moet deur die tesourier en die Registrateur namens die Kommissie geteken wees, of in die geval van afwesigheid van een van die twee, deur die Voorsitter of Vise-Voorsitter en of die Tesourier of Registrateur, wie ook beskikbaar mag wees.

22. (1) Gelde is as volg betaalbaar aan lede wat vergaderings van die Kommissie of komitees van die Kommissie bywoon of wat anders besig is met sake van die Kommissie (met inbegrip van die tyd wat hulle aan reis bestee):—

(a) alle lede van die Kommissie, R16.80 per dag;

(b) die President van die Kommissie (behalwe bostaande) R200 per jaar, halfjaarliks agterna betaalbaar.

(c) The Chairman of the Education and Examination Committee (in addition to the above), R100 per annum payable half-yearly in arrear.

(2) If members of the Board have to travel more than 30 miles from their usual place of residence to attend meetings of the Board or committees of the Board or on other business of the Board, they shall be paid a subsistence allowance of R8.40 per diem while absent from their place of residence.

(3) The fees and subsistence allowances referred to in sub-rules (1) and (2) shall be calculated as follows: For the first calendar day or portion of a day, a full day's fees and/or subsistence allowance, and thereafter for every 12 hours or part thereof half-a-day's fees and/or subsistence allowance.

(4) Members will be paid the fees and subsistence allowances referred to in the preceding sub-rules from the latest time when they can reasonably leave their place of residence in order to attend meetings of the Board or to the business of the Board, until the earliest time that they can return to their place of residence. When the time of duration of meetings is uncertain members will be allowed a reasonable time after attending such meetings, but not exceeding 24 hours after the conclusion of such meeting, for securing travelling accommodation for their return journeys.

(5) Members travelling to meetings of the Board or committees of the Board shall be paid their actual rail or airway fares, which may include fares on *de luxe* trains. If unable reasonably to travel by rail or air, members shall be paid motor allowances at the rate of 7½c per mile, but only if attending meetings not farther than 50 miles from their usual residence.

(6) Members who travel by any other means than the above, shall be paid fees, subsistence allowance and travelling as though they had travelled by rail by the shortest and most expeditious route.

23. No amendment of the Board's regulations or rules shall be considered unless notice of motion thereof in writing is given. Such motion shall be placed on the notice convening the next meeting of the Board for consideration by the Board before adoption.

No. R. 674.]

[10 May 1963.]

The Minister of Health, in exercise of the powers conferred upon him by sub-section (4) of section *ninety-four* of the Medical, Dental and Pharmacy Act, 1928 (Act No. 13 of 1928), has approved of the following rules made by the South African Pharmacy Board under sub-section (2) of the said section of the Act in substitution for the rules published under Government Notice No. 1462 of 24th September, 1937, as amended by Government Notices No. 1042 of 24th June, 1938, No. 2043 of 20th December, 1940, No. 116 of 23rd January, 1942, No. 730 of 16th April, 1943, No. 1607 of 14th July, 1950, No. 547 of 9th March, 1951, No. 1815 of 20th July, 1951, No. 2133 of 19th September, 1952, No. 1532 of 5th August, 1955, No. 1527 of 4th October, 1957, No. 955 of 4th July, 1958 and No. 45 of 11th January, 1963:—

RULES REGARDING CONDUCT OF WHICH THE BOARD MAY TAKE COGNISANCE.

The following acts by a chemist and druggist shall constitute conduct of which the South African Pharmacy Board may take cognisance under Chapter IV, Act No. 13 of 1928:—

1. Substituting or omitting ingredients in a prescription without consultation with and the approval of the prescriber.
2. Criticising the composition or merits of a prescription with a patient or commenting upon the professional ability of the prescriber.

(c) die Voorsitter van die Onderwys- en Eksamenkomitee (behalwe bostaande) R100 per jaar driemaandeliks agterna betaalbaar.

(2) As lede van die Kommissie meer as 30 myl van hul gewone woonplek moet reis om vergaderings van die Kommissie of komitees van die Kommissie by te woon of vir ander sake van die Kommissie, ontvang hul 'n toe'ae vir verblyf-koste teen R8.40 per dag solank hulle van hul woonplek afwesig is.

(3) Die gelde en toelaes vir verblyf-koste waarna in sub-reëls (1) en (2) verwys word, word as volg uitgerekend; vir die eerste kalenderdag of gedeelte van 'n dag die volle gelde en/of toelae vir verblyf-koste en daarna vir elke twaalf uur of gedeelte daarvan 'n halwe dag se gelde en/of toelae vir verblyf-koste.

(4) Lede sal die geld of toelaes vir verblyf-koste waarna in die vorige subreëls verwys word, ontvang vir 'n tydperk vanaf die laaste tyd waarop hulle hul woonplek redelik kan verlaat om die vergaderings van die Kommissie by te woon of die sake van die Kommissie te behartig tot die vroegste tyd waarop hulle weer na hul woonplek kan terugkeer. Wanneer dit onseker is hoe lank die vergaderings sal duur, word aan lede redelike tyd nadat hul die vergaderings bygewoon het, toegestaan, dog nie langer as 24 uur na afloop van hierdie vergaderings, om plek vir die terugreis te verkry nie.

(5) Lede wat na vergaderings van die Kommissie of komitees van die Kommissie reis, ontvang die werklike spoor- of lugreësgeld, wat ook die reësgeld op *de luxe* treine mag insluit. As daar geen redelike moontlikheid bestaan om per spoor of lug te reis nie, word 'n motor-toelae teen 7½c per myl betaal, dog slegs wanneer vergaderings nie verder as 50 myl van die gewone woonplek bygewoon word nie.

(6) Lede wat gebruik maak van ander vervoermiddels as die bogenoemde, ontvang gelde, toelaes vir verblyf-koste en reësgelde asof hulle per spoor oor die kortste en vinnigste roete gereis het.

23. Geen wysigings van die regulasies of reëls van die Kommissie word in oorweging geneem nie tensy skriftelik van die voorstel dat dit gedoen word, kennis gegee is. So 'n voorstel moet, op die kennisgewing wat die volgende vergadering van die Kommissie belê, voorkom, vir oorweging deur die Kommissie voordat dit aangeneem word.

No. R. 674.]

[10 Mei 1963.]

Die Minister van Gesondheid het, in uitoefening van die bevoegdheid hom verleen by subartikel (4) van artikel *vier-en-negentig* van die Wet op Geneeshere, Tandartse en Aptekers, 1928 (Wet No. 13 van 1928), sy goedkeuring geheg aan die volgende reëls wat deur die Suid-Afrikaanse Aptekerskommissie ingevolge subartikel (2) van genoemde artikel van die Wet opgestel is ter vervanging van die reëls uitgevaardig ingevolge Goewermentskennisgewing No. 1462 van 24 September 1937, soos gewysig deur Goewermentskennisgewings No. 1042 van 24 Junie 1938, No. 2043 van 20 Desember 1940, No. 116 van 23 Januarie 1942, No. 730 van 16 April 1943, No. 1607 van 14 Julie 1950, No. 547 van 9 Maart 1951, No. 1815 van 20 Julie 1951, No. 2133 van 19 September 1952, No. 1532 van 5 Augustus 1955, No. 1527 van 4 Oktober 1957, No. 955 van 4 Julie 1958 en No. 45 van 11 Januarie 1963:—

REËLS TEN OPSIGTE VAN HANDELINGE WAARVAN DIE KOMMISSIE KENNIS KAN NEEM.

Die volgende handelinge van 'n apteker word beskou as gedrag waarvan die Suid-Afrikaanse Aptekerskommissie kragtens Hoofstuk IV, Wet No. 13 van 1928, kennis kan neem:—

1. Om enige bestanddeel in 'n preskripsie te vervang of uit te laat sonder raadpleging van die voorskrywer.
2. Om die samestelling of verdienstes van 'n preskripsie met 'n pasiënt te kritiseer, of om aanmerkings te maak op die professionele bekwaamheid van die voorskrywer.

3. Divulging to any person the nature of a disease or ailment being treated except by the order of a court of law.
4. Dispensing or being in any way a party to the use of secret or cipher prescriptions.
5. Paying to a medical practitioner a secret commission or any material consideration in connection with a prescription.
6. (1) Associating himself in partnership with an unregistered person or allowing his name and qualifications to be used as a cloak or cover for a person or persons or body corporate, not entitled by law to carry on the business of a chemist and druggist.
- (2) Employing in any capacity in his pharmacy, or in the case of the managing director of a body corporate in any pharmacy of such body corporate, any person whose name as that of a registered chemist and druggist has been erased from the register, or any person who has been suspended, during the period of such suspension.
7. Neglecting to keep poison or habit-forming drugs registers as required by law, or to make proper entries in the prescription book of medicines containing poisons.
8. Executing orders or compounding prescriptions directed to another chemist and druggist.
9. Dispensing prescriptions or compounding any drug or medicinal or chemical substance, not being in the completely packaged form intended for sale as a proprietary medicine, on behalf of an unregistered person for sale or for manipulation or packing for resale by such person in contravention of section thirty-seven of the Medical, Dental and Pharmacy Act, No. 13 of 1928, as amended.
10. Neglecting to register as laid down by the Board's rules a contract of apprenticeship, entered into by him, within three months of the commencement of such contract.
11. Occupying premises as a pharmacy through which there is an entrance to, or exit from, a medical practitioner's room, or permitting a medical practitioner to have a name plate at the entrance to his pharmacy.
12. Advertising in a newspaper, periodical, poster, circular, or a place of public entertainment, or by a letter-head or by any other means, in a manner calculated to suggest that his professional skill or ability, or his facilities for dispensing, are of a higher order than those of other chemists and druggists, or in a manner reflecting adversely on the skill or ability of, or professional services rendered by other chemists and druggists.
13. Advertising his professional services by direct reference to dispensing or by the use of general terms such as "Pharmaceutical Services" or in any way other than—
 - (1) having in his Pharmacy in the appropriate place the words "Dispensing Department" or "Prescription Department";
 - (2) indicating on the door of his Pharmacy when and where he may be found or where facilities may be available for the dispensing of prescriptions after normal trading hours.
14. Associating himself in his personal capacity, or as managing director or employee of a body corporate authorized to carry on the business of a chemist and druggist, or as an employee of a chemist and druggist, with any unregistered person who diagnoses or professes to treat disease.
3. Om aan enige persoon die aard van siekte of kwaal wat behandel word, te openbaar, behalwe op las van die hof.
4. Om geheime of syfer-preskripsies te berei, of om met die gebruik daarvan behulpsaam te wees.
5. Om aan 'n mediese praktisyn 'n geheime kommissie te betaal, of enige materiële vergoeding, in verband met 'n preskripsie.
6. (1) Om homself in vennootskap te verbind met 'n persoon wat nie geregistreer is nie, of om toe te laat dat sy naam en kwalifikasies as dekmantel of skuiling vir 'n persoon of persone, of regs persoonlikheid, wat nie volgens wet geregtig is om as apteker handel te dryf nie, gebruik word.
- (2) Die indiensname in enige hoedanigheid in sy apteek, of in die geval van 'n besturende direkteur van 'n regspersoon in enige apteek van sodanige regspersoon, van enige persoon wie se naam as 'n geregistreerde apteker van die register geskrap of enige persoon wat geskors is, gedurende sodanige tydperk wat hy geskors is.
7. Versuim om registers te hou vir vergifte of gewoontevormende medisyne soos deur die wet vereis of om in die preskripsieboek behoorlik aantekening te maak van medisyne wat vergifte bevat.
8. Om bestellings uit te voer of preskripsies te berei wat vir 'n ander apteker bestem is.
9. Opmaak van voorskrifte of bereiding van enige artseny- of medisinale of chemiese stof wat nie 'n volledige pakket vir verkoop as 'n patent-medisyne bedoel is nie, ten behoeve van 'n ongeregistreerde persoon vir verkoop of vir hantering of verpakking vir herverkoop deur sodanige persoon in stryd is met artikel sewe-en-dertig van die Wet op Geneeshere, Tandartse en Aptekers, No. 13 van 1928, soos gewysig.
10. Versuim om soos neergelê kragtens die Reëls van die Kommissie 'n leerlingkontrak wat hy aangegaan het, te registreer binne drie maande vanaf die inwerkingtreding van sodanige leerlingkontrak.
11. Om 'n perseel as 'n apteek te okkupeer waarin 'n ingang na, of uitgang van 'n spreekkamer van 'n mediese praktisyn is, of om toe te laat dat 'n mediese praktisyn 'n naamplaat aan die ingang van sy apteek het.
12. Om in 'n koerant, tydskrif, aanplakbiljet, sirkulêre, of in 'n plek van openbare vermaaklikheid, of deur 'n brieweheof, of deur enige ander middel op so 'n wyse te adverteer, dat daardeur die indruk geskep kan word dat sy professionele behendigheid of bekwaamheid, of sy bevoegdheid om medisyne te berei van 'n hoër standaard is as die van ander aptekers of op 'n wyse wat die behendigheid of bekwaamheid van, of professionele dienste deur ander aptekers gelewer, in 'n ongunstige lig stel.
13. Om sy professionele dienste te adverteer deur regstreeks te verwys na die bereiding van medisyne of gebruik te maak van algemene benamings soos „Farmaseutiese Dienste” of op enige ander wyse as—
 - (1) om in sy apteek op 'n paslike plek die woorde „Aptekafdeling” of „Preskripsieafdeling” te hê;
 - (2) om op die deur van sy apteek aan te dui wanneer en waar hy te vind is of waar fasiliteite beskikbaar is vir die bereiding van preskripsies na gewone besigheidsure.
14. Wat hom in sy persoonlike hoedanigheid, of as besturende direkteur of werknemer van 'n liggaam met regspersoonlikheid wat gemagtig is om besigheid as apteker te dryf, of as 'n werknemer van 'n apteker met enige ongeregistreerde persoon, wat diagnoseer of voorgee om siekte te behandel, assosieer.

15. Failing, when he is registered as the master under a contract of apprenticeship, to maintain the facilities, equipment and to provide when required, the material for the training of an apprentice as laid down by the Board in its apprenticeship rules, and to rectify such conditions within reasonable time after having been called upon by the Board to do so.
 16. Inciting, instigating, commanding or procuring the commission of an act or omission by another chemist and druggist, of which act or omission the Board is entitled to take cognisance under Chapter IV, Act No. 13 of 1928.
 17. Selling or offering for sale or associating himself directly or indirectly with the sale or provision of facilities for the sale of mineral waters or beverages, whether aerated or not, for consumption in the pharmacy wherein he conducts business as a Chemist and Druggist.
 18. Accepting from any person carrying on business in premises other than a pharmacy conducted in accordance with the provisions of section *seventy-seven* of the Act, or any employee of such person, any orders for the supply to or on behalf of any third person of any medicines which involve the performance of any acts pertaining to the calling of a chemist and druggist or of any substances or preparations which only a chemist and druggist may supply.
 19. Canvassing or touting for prescriptions either personally or through agents or in any other manner.
- NOTE.—Section *forty-seven* of Act No. 13 of 1928 provides that the powers of the Board to enquire into and deal with any complaint, charge or allegation under this chapter shall not be limited to the acts or omissions prescribed above.

15. Die versuim om, as hy kragtens 'n leerlingkontrak as meester geregistreer is, die geleenthede, uitrusting in stand te hou, en om, wanneer dit vereis word, die materiaal te verskaf vir die opleiding van 'n leerling soos deur die Kommissie in sy reëls oor leerlingskap neergelê is, en om sodanige toestande te verbeter binne 'n redelike tydperk nadat hy 'n aanmaning van die Raad ontvang het om sulks te doen.
 16. Uitlokking, aansetting, bewerkstelliging van of beveel tot die begaan van 'n daad of versuim deur 'n ander apteker, van watter daad of versuim die Raad in-gevolge Hoofstuk IV, Wet No. 13 van 1928, geregtig is om kennis te neem.
 17. Om mineraalwater of ander drankte te verkoop of te koop aan te bied, of homself direk of indirek met die verkoop of verskaffing van fasiliteite vir die verkoop van mineraalwater of ander drankte, hetsy koolsuurhoudend of nie, te assosieer, vir verbruik in die apteek waarin hy besigheid dryf as apteker.
 18. Om van iemand wat 'n perseel, behalwe 'n apteek wat ooreenkomstig die bepalings van artikel *sewe-en-sewentig* van die Wet bestuur word, handeldryf, of enige werknemer van so iemand, enige bestelling vir die verskaffing van of ten behoeve van 'n derde persoon van enige medisyne waarby die verrigting van handeling wat tot die beroep van 'n apteker behoort, betrokke is, of van enige stowwe of preparate wat slegs 'n apteker mag verskaf, aan te neem.
 19. Werwing of lok ten opsigte van voorskrifte hetsy persoonlik of deur agente of op enige ander manier.
- LET WEL.—Artikel *sewe-en-veertig* van Wet No. 13 van 1928 maak voorsiening dat die bevoegdheid van die Kommissie om kragtens hierdie hoofstuk 'n klagte, beskuldiging of bewering te ondersoek nie beperk is tot die aldus omskrewe handeling of versuime nie.

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