

# REGULATIONS

TO BE OBSERVED BY

MEDICAL STUDENTS AND CANDIDATES  
FOR THE LICENCE

OF THE

## PROVINCIAL MEDICAL BOARD

OF

## NOVA SCOTIA



### ANNUAL ANNOUNCEMENT

FOR

## 1913-1914

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HALIFAX, N. S.

MCALPINE PUBLISHING CO., LTD., COR. GRANVILLE AND SACKVILLE STREETS  
1913

## ALMANAC

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### 1913

- Th. Aug. 14. Last day for receiving applications for Autumn Preliminary Examination.
- W. " 20. Last day for receiving applications for Autumn Professional Examinations.
- Th. " 28. 9 a. m. Autumn Preliminary Examination begins.
- T. Sept. 2. 10 a. m. Results of Preliminary Examination announced and certificates granted.
- W. " 3. 3 p. m. Autumn Professional Examination begins.
- Th. " 11. 10 a. m. Results of Final Professional Examination announced.
- Th. " 11. 10 a. m. Signing of Declaration by Licentiates and issue of Diplomas.

### 1914

- W. Apr. 1. Last day for receiving applications for Spring Final Professional Examination.
- W. " 15. 3 p. m. Spring Professional Examination begins.
- Th. " 23. Last day for receiving applications for Spring Preliminary Examination.
- F. " 24. 10 a. m. Results of Final Professional Examination announced.
- F. " 24. 10 a. m. Signing of Declaration by Licentiates and issue of Diplomas.
- Th. May 7. 9 a. m. Spring Preliminary Examination begins.
- M. " 11. Results of Preliminary Examination announced and certificates issued.

N. B.—In the above by Professional Examination, is meant in all cases the Third or Final Professional Examination.

Should examination be required in any subject other than those of the Final Professional, special arrangements will be made in each case.

## NOTICE

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Under the provisions of the Medical Act (Chap. 103, R. S., 1900), the Provincial Medical Board of Nova Scotia is empowered and directed to make rules and regulations consistent with said Act in respect to all matters connected with medical education; for the admission and enrolment of medical students; for determining from time to time the curriculum of the studies to be pursued by them, and to appoint Preliminary and Professional Examiners before whom (except where special provision is otherwise made by the Act) all must pass satisfactory examinations before they can receive the licence or certificate of qualification of the Board, and with it secure registration and the legal right to practise in the province.

For the information and guidance of medical students and the profession generally, the following *Regulations* for the year ending June 30th, 1914, are published by the Board in conformity with the Medical Act.

Female candidates are admitted to all examinations for this qualification equally with males; and throughout these regulations the masculine pronoun is to be read as standing for candidates irrespective of sex.

For further particulars all persons are referred to

A. W. H. LINDSAY, M. D.,  
*Secretary and Registrar,*  
*Provincial Medical Board, Nova Scotia.*

319 PLEASANT ST., HALIFAX, N. S.

## EXAMINERS

Appointed by Board Under the Medical Act,  
for three Years ending June 30th, 1914

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### PRELIMINARY EXAMINERS.

- J. B. CURRIE, Halifax. *Arithmetic, Algebra and Geometry.*  
S. A. MORTON, M. A., Principal, County Academy, Halifax.  
*English, History and Geography.*  
H. LOTHAR BOBER, M. A., Professor Modern Languages, King's College, Windsor. *French and German.*  
J. W. LOGAN, M. A., Classical Master, County Academy, Halifax.  
*Latin and Greek.*

### PROFESSIONAL EXAMINERS.\*

#### Examiners in Physics.

- F. R. HALEY, M. A., *Prof. of Physics*, Acadia University, Wolfville.  
HOWARD L. BRONSON, Ph. D., (Yale), *Prof. of Physics*, Dalhousie University, Halifax.

#### Examiners in Chemistry.

- A. L. MCCALLUM, B.Sc., (McGill); Halifax.  
E. MACKAY, B. A., (Dal.), Ph. D., (J. H. U.), *Prof. of Chemistry*, Dalhousie University, Halifax.

#### Examiners in Anatomy.

- F. U. ANDERSON, L. R. C. P. and S., (Edin.), M. R. C. S., (Eng.), Halifax.  
A. W. H. LINDSAY, B. A., (Dal.); M. D., C. M., (Dal.); M. B., C. M., (Edin.); *Prof. of Anatomy*, Dalhousie University, Halifax.

#### Examiners in Physiology and Histology.

- H. H. MACKAY, M. D., C. M., (McGill); New Glasgow.  
D. FRASER HARRIS, M. D., (Glasg.); B. Sc., (Lond.); D. Sc., (Birm.); F. R. S. Ed., *Prof. of Physiology*, Dalhousie University, Halifax.

#### Examiners in Materia Medica, and Pharmacy.

- W. B. MOORE, M. D., C. M., (Hal. Med. Coll.); Kentville.  
A. F. BUCKLEY, M. D., C. M., (Dal.); Pharm. Lic., (Montr.); *Prof. of Materia Medica*, Dalhousie University, Halifax.

#### Examiners in Pathology and Bacteriology.

- J. G. MCDUGALL, M. D., C. M., (McGill); Amherst.  
M. A. LINDSAY, B. Sc., (Dal.); M. B., Ch. B., (Edin.); *Prof. of Pathology and Bacteriology*, Dalhousie University, Halifax.

**Examiners in Med. Jurisprudence.**

W. D. FINN, M. D., (C. P. S., New York), *Medical Examiner for Halifax and Dartmouth*, Halifax.

EDWARD BLACKADDER, M. A., (Acad.); M. D., C. M., (Dal.); *Lecturer on Medical Jurisprudence*, Dalhousie University, Halifax.

**Therapeutics and Hygiene.**

S. A. FULTON, M. D., C. M., (Dal.), Truro.

D. A. CAMPBELL, M. D., C. M., (Dal.), *Prof. of Therapeutics*, Dalhousie University, Halifax.

**Examiners in Obstetrics and Diseases of Women and Children.**

DANIEL MCINTOSH, M. D., (Harv.), L. R. C. P., (Edin.); Pugwash.

M. A. CURRY, M. D., (Univ. of New York), *Prof. of Obstetrics and Diseases of Women*, Dalhousie University, Halifax.

**Examiners in Medicine.**

ARTHUR BIRT, M. D., (Edin.), Halifax.

L. M. MURRAY, M. D., C. M., (McGill), Lic. P. M. B'd, (N. S.), *Prof. of Medicine*, Dalhousie University, Halifax.

**Examiners in Clinical Medicine.**

A. J. COWIE, M. D., (Univ. Penn.), L. R. C. P., (Edin.); Halifax.

L. M. SILVER, M. B., C. M., (Edin.), *Prof. of Medicine and Clinical Medicine*, Dalhousie University, Halifax.

**Examiners in Surgery and Surgical Anatomy.**

J. W. MACKAY, M. D., (Bell. Hosp. Med. Coll.), New Glasgow.

E. V. HOGAN, M. D., C. M., (McGill), M. R. C. S., (Eng.), L. R. C. P., (Lond.), Halifax.

*Prof. of Surgery and Clinical Surgery*, Dalhousie University, Halifax.

**Examiners in Clinical Surgery.**

GEORGE H. MURPHY, M. D., C. M., (Dal.), Glace Bay.

MURDOCH CHISHOLM, M. D., C. M., (McGill), L. R. C. P., (Lond.); *Prof. of Clinical Surgery*, Dalhousie University, Halifax.

**Homœopathic Examiner.**

H. H. READ, M. D., C. M., (McGill), L. R. C. S., (Edin.), Halifax.

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\*The first named examiner in each subject represents originally the nominee of the Education Committee of the Board, the second the nominee of Dalhousie University.

# REGULATIONS

## CHAPTER I.

### THE PRELIMINARY EXAMINATION.

1. No person shall begin or enter upon the study of medicine, for the purpose of qualifying him to practise the same in the Province of Nova Scotia, unless he first produces to the Registrar a certificate from the examiners appointed by the Provincial Medical Board to show that he has passed the Preliminary Examination in the subjects prescribed by the Rules and Regulations of the Board, or evidence of having passed such equivalent examination as is accepted by the Board, and unless he causes his name to be forthwith entered in the Medical Students' Register as hereinafter specified. (See section 15).

2. No candidate shall be admitted to the Preliminary Examination unless at least fourteen days previous to such examination he has given notice to the Registrar of the Board of his intention to present himself for such examination, and unless he has produced to the Registrar satisfactory evidence that he has completed his sixteenth year, that he is a person of good character, and has paid a fee of ten dollars (\$10.00) to the Registrar.\*

3. The Preliminary Examination † will embrace the following subjects, viz:—

- (1) ENGLISH. (a) *Language*: Grammar, Analysis, Parsing.  
(b) *Rhetoric and Composition*, including an essay on one of several set subjects from prescribed authors‡. Questions on the interpretation of a passage from an author not prescribed, to test general intelligence.  
(c) *Literature*: History of English Literature; critical study of prescribed authors.‡
- (2) { ARITHMETIC. Complete.  
ALGEBRA. Simple Rules; Rules for the treatment of Indices; Surds; Extraction of Square and Cube Roots; Equations of the First Degree; Quadratic Equations.

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\*This fee shall not be returned in case of failure.

†For copies of previous examination papers (\$1.00 one entire set) apply to Registrar Provincial Medical Board, 319 Pleasant Street, Halifax.

‡English Authors for 1913 and 1914: Macaulay, *Warren Hastings*; Longfellow, *Evangeline*; Shakespere, *Merchant of Venice*; Scott, *The Lady of the Lake*.

- (3) GEOMETRY. Euclid, Books I, II, III, with easy deductions.
- (4) HISTORY AND GEOGRAPHY. British and Canadian History with questions in General Geography.
- (5) LATIN. (a) *Translation* from prescribed books,\* with questions arising out of those books, and translation of easy passages not taken from those books.  
 (b) *Grammar*, including Accidence and Elementary Syntax.  
 (c) *Composition* in translation of easy sentences or of one simple continuous passage from English into Latin.
- (6) One of the following:
- GREEK. (a) *Translation* from prescribed books,† with questions arising out of those books, and translation of easy passages not taken from those books.  
 (b) *Grammar*, including Accidence and Elementary Syntax.  
 (c) *Composition* in translation of easy sentences or of one simple continuous passage from English into Greek.
- FRENCH. *Translation* from prescribed books,‡ with *Grammar* Questions limited to the Accidence and easy rules of Syntax; easy sight translation from French into English, and from English into French.

GERMAN. *Translation, Grammar, etc.*, as under French.||

4. Examinations take place twice a year, beginning on the first Thursday in May and the last Thursday in August.

On the same dates local examinations will be held, on application at Sydney, at Pietou, and at Yarmouth. Candidates taking local examinations are required to pay an additional fee of \$2.00.

5. Unless otherwise specified, the books prescribed by the Council of Public Instruction for the course leading to the Grade B, or High School Junior Leaving Examinations are recommended.

6. In order to pass, a candidate must make fifty per cent. of marks in *each* of the *seven* subjects as above prescribed.

7. If fifty per cent. be made in all subjects but one, and if in that subject the candidate shall have made at least 25 per cent., he

\*Latin for 1913 and 1914: Cæsar, *De Bello Gallico*, Book I, with Vergil, *Aeneid*, Book I.

†Greek for 1913 and 1914: Xenophon, *Anabasis*, Book I.

‡French for 1913: Berthon, *Specimens of Modern French Prose*, omitting IV, VI, IX, X; and *A Travers le Canada* (Quatrième Livre de Lecture). For 1914: Enault, *Le chien du Capitaine*; Perret, *The Matriculation French Reader* (Prose Selections).

||German for 1913: Buchheim, *Modern German Reader*, Part I, complete. For 1914: The same as for 1913, with Von Hillern, *Hoher als die Kirche*.

may begin study, and attend for *one medical year* at any medical college recognized by the Board,\* and thereafter present himself for examination in that subject alone, on payment of a fee of \$2.00. Candidates taking local examinations will be required to pay the usual additional \$2.00 fee for such examination.

8. A candidate failing in not more than three subjects, may not begin professional study, but will be required to appear for re-examination in these subjects only. The fee for examination in such cases will be \$5.00 (or \$7.00 if a local examination be taken).

9. A candidate failing in more than three subjects may not begin professional study, and will be required to appear again for examination in all subjects, and to pay the usual examination fee.

10. Certificates will be issued to successful candidates, showing the subjects in which they have passed, and the extent to which their knowledge of these subjects was tested

11. Candidates who have passed the above examination will be admitted without further preliminary examination at all Canadian and American Colleges.†

12. This examination also satisfies the requirements of the General Medical Council of Great Britain as to the preliminary examination which must be passed by persons wishing to register as medical students, provided the candidate shall have passed in all subjects at not more than two examinations.

#### EXEMPTIONS

13. Graduates in Arts and Science of any recognized College or University are not required to submit to this examination, provided the candidate shows that he has passed a satisfactory examination in *Latin*; and in *Greek*, or *French*, or *German*.

14. The Medical Board will also recognize *pro tanto* the following examinations:

- (1.) The Matriculation or the Sessional Examinations of any chartered University or College approved by the Board.
- (2.) The Final or Graduating Examinations of the Collegiate Schools or Academies directly connected with Acadia University, Wolfville, N. S.; King's University, Windsor, N. S.; Mt. Allison University, Sackville, N. B.
- (3.) The Entrance Examination of the Nova Scotia Barristers' Society.
- (4.) The Examinations for Teachers' Licenses, Grade A or B, of Nova Scotia.
- (5.) The Examinations for Junior or Senior High School Leaving Certificates of Nova Scotia.

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\*See List, Appendix (B).

†The Universities of Harvard and Johns Hopkins require a B. A. degree for admission to medical course.



- (6.) The Examinations for Honour, First or Second Class Ordinary Diplomas, as issued by the Prince of Wales College, P. E. I.
- (7.) The Examinations for First or Second Class Teachers' Licenses of Prince Edward Island.
- (8.) The Examinations for First Class, or for Grammar School License of New Brunswick.
- (9.) The Examinations for corresponding Licenses or Leaving Examination Certificates issued by the Education Departments of the other provinces of Canada and of Newfoundland.
- (10.) The Matriculation or Preliminary Examinations of any Medical Licensing Board or Council authorized by Law in His Majesty's Dominions.

NOTE.—In accepting certificates under the above sub-sections, 2-10 (inclusive), 50 % will be required in each of the seven subjects of examination as specified in section 3.\*

15. After passing his preliminary examination, the medical student may then enter upon his professional course at any University, Medical School or College approved by the Board.†

#### REGISTRATION OF STUDENTS

16. *Immediately* after entering upon his course every medical student in Nova Scotia, and every person otherwise engaged in the study of medicine for the purpose of qualifying himself to practise in this Province, shall forthwith cause to be entered in the register of the Board kept by the Registrar, and called the Medical Students' Register, his name, age, place of residence, date and particulars of his preliminary examination, and place and date of his commencement of the study of Medicine, and shall receive from the Registrar a certificate of such registration.

17. The fee for such registration is ten dollars (\$10.00), except that candidates who already have paid \$10.00 for the Matriculation Examination are not required to pay any additional fee. Persons registered in any other province, if engaged in the study of Medicine at any institution in the Province of Nova Scotia, will also be registered in this province without additional fee, provided they have satisfied the preliminary examination requirements of this Board.

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\*In certificates (except Grade XII) issued by the Education Department of Nova Scotia in 1910 and subsequent years a mark of at least 60 per cent. will be required in each subject.

†See Appendix (B).

## CHAPTER II

## THE MEDICAL CURRICULUM

1. Every student must spend a period of at least four Academic years in actual professional study subsequent to his having passed the Preliminary or Matriculation Examination and being registered as a medical student; and the prescribed period of study shall include four collegiate sessions of at least eight months duration, or an equivalent, each year.

[N. B.—All persons who began the study of Medicine after July 1, 1908, will be required to complete a course of at least FIVE years, including FIVE collegiate sessions of eight months duration (or equivalent) each year.]

2. Every student must attend the courses of lectures and instruction, prescribed in section 19 of the Act in a University, College or School of Medicine approved by this Board,\* “such course to include satisfactory and sufficient lectures and instruction in anatomy, practical anatomy, physics, chemistry, practical chemistry, physiology, histology, materia medica, pharmacy, therapeutics, surgery, clinical surgery, medicine, clinical medicine, obstetrics, practical obstetrics, diseases of women and children, medical jurisprudence, hygiene, pathology (including bacteriology, and post mortem examinations),” together with attendance “for a period of not less than eighteen months upon the general practice of a hospital containing not less than one hundred beds under the charge of not less than four recognized medical practitioners, of whom one at least must be a surgeon; or for not less than twelve months on such hospital practice and attendance for six months additional on the practice of a recognized dispensary, or of the outpatient department of a general hospital.”†

## CHAPTER III

## PROFESSIONAL EXAMINATIONS

1. Candidates for the Licence of this Board will be required subsequent to their registration as Medical Students, to pass three examinations, to be known as the First, Second, and Third Professional Examinations.

2. These examinations will be held twice during the year. The Third or Final Professional will begin on the second Wednesday in April,‡ and on the first Wednesday in September, respectively. The dates for the First and Second Professional Examinations will be according to special arrangement made at the time.

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\*See Appendix (B).

†Sub-Section 1 (c), sec. 19, Chap. 103, R. S., 1900, as amended by Governor-in-Council, February 26th, 1902.

‡When the month of April begins on Wednesday, the examinations will begin on the third Wednesday.

3. Candidates qualified by having attended the necessary courses of study may enter for two or more examinations to be passed successively at the same period, the conditions being that failure to pass any of the subjects of the prior examination precludes the candidate from admission to the succeeding examination. The necessary Schedule and Certificates must be lodged, and the fees for these respective examinations paid, at the period of entering for the earliest of them. In the event of failure, the fee paid for any subsequent examination, from which the candidate has been precluded, will be returned to the candidate.

4. At all examinations the pass mark shall be 50 per cent. in each subject.

5. No candidate shall be admissible to examination who has been rejected in the subjects of the examination by any other Licensing Board within the three preceding months

6. Applicants for admission to any of the examinations are required on entering to lodge with the Registrar a schedule (forms of which will be supplied), showing the courses they have attended qualifying for admission.

7. No candidate can be held to be entered for any examination till he has sent in the proper schedule, proved his course of study, and paid his proper fee.

8. (1) A candidate may be exempted from examination in any subject of the First or Second Professional Examinations on the production of a certificate proving that he has passed an equivalent examination before any of the other Provincial Licensing Boards, specified in the Medical Act, sect. 21, sub-sec. (2). Such certificate must clearly indicate the subjects of examination.

(2) *Until further notice, any candidate who produces to the Registrar satisfactory certificates of having passed in the subjects of the First and Second Professional Examinations at any Medical College or University recognized by the Board, will be exempt from further examination in such subjects. See Note p. 14, sect. 23.*

(3) Any person who produces to the Registrar satisfactory evidence to show that, as a student in Arts or Science connected with any recognized University or College he has attended a satisfactory course in Physics, Chemistry, or Practical Chemistry previous to his registration as a medical student, will be exempted from further attendance in such subject, or subjects, and a certificate of having, as such Arts or Science student, previous to his registration, or as a regular medical student subsequent to such registration, passed an examination in either or all of those subjects equivalent to that required by the Board, will be accepted as exempting from further examination in any or all of said subjects.\*

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\*See Appendix (A).

9. A candidate admitted to any examination on the footing of having passed in all the subjects of the preceding examination or examinations at another Board shall pay the fees exigible for such preceding examination or examinations in addition to the fee of the examination for which he enters.

#### FIRST PROFESSIONAL EXAMINATION

10. This examination may be taken at any period after the end of the second year of study, and will embrace the following subjects to the extent hereinafter indicated,\* viz.:—Physics, Chemistry, Anatomy, Physiology including Histology.

11. Applications for examinations with evidence of attendance in each of the subjects, etc., (according to furnished schedule) must be deposited with the Registrar fourteen days before the date of the examination, along with the examination fee.

12. The fee payable for admission to this examination shall be \$20.00; for re-entry in all subjects after rejection, \$15.00; for re-entry in one or more subjects after obtaining a pass in the others, \$5.00 for each subject.

#### SECOND PROFESSIONAL EXAMINATION

13. This examination may be taken at any period after the end of the third year of study, and will include Pathology and Bacteriology, Materia Medica and Pharmacy, to the extent hereinafter indicated.\*

14. Applications for examination, with evidence of attendance on the required courses, etc., (according to schedule furnished), must be deposited with the Registrar fourteen days before the date of the Examination, along with the examination fee.

15. The fee payable for admission to this examination shall be \$15.00; for re-entry in both subjects after rejection, \$10.00; for re-entry in one subject after pass in the other, \$5.00.

#### THIRD PROFESSIONAL EXAMINATION.

16. This examination shall not be passed earlier than the end of the fourth year of study, (or in the *five* years' course at the end of the *fifth* year), and shall embrace the following subjects:

- (1) Medicine.
- (2) Clinical Medicine.
- (3) Surgery, including Surgical Anatomy and Diseases and Injuries of the Eye, Ear, Throat and Nose.
- (4) Clinical Surgery.
- (5) Obstetrics and Diseases of Women and of New-born Children.
- (6) Therapeutics and Hygiene.\*
- (7) Medical Jurisprudence.†

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\*See Appendix (A).

†See footnote page 13.

17. The Schedule for the Final Examination shall contain a summary of the entire course of study. It shall be accompanied by certificates to cover all requirements of the course prescribed under the Medical Act in the Board's Regulations, and, together with the fee, must be deposited with the Registrar not later than fourteen days before the date of the examination. At the same time, certificates must be produced to show that the candidate is not less than twenty-one years of age, and is of good moral character.

18. No candidate can claim exemption from any subject of the Final Examination except as provided for by Sect. 19 of this Chapter.

19. The Final Examination will consist of two distinct parts:

(1) A Written Examination on each of the main subjects, Surgery, Medicine, Obstetrics and Gynecology, Therapeutics and Hygiene, Medical Jurisprudence.\*

(2) Practical Clinical and Oral Examinations on all final subjects except Medical Jurisprudence, and including the examination of Patients, Physical Diagnosis, Use of the Microscope, Pathology of the Urine, Surgical Appliances, Bandaging, Surface Markings, etc.

20. A candidate failing in not more than two subjects will be allowed a Supplementary Examination in such subjects. A candidate failing in more than two subjects will be required to re-appear in all subjects and may be required to repeat his attendance and class work in the subjects in which he failed before being again admitted to examination in them.

21. (1) For candidates exempted from the First and Second Professional Examinations under Sect. 8 (2) the fee payable for admission to the Final Examination is Fifty Dollars (\$50.00).

(2) For candidates who have already paid for the First and Second Professional Examinations the fee for admission to the Final Examination will be Thirty-five Dollars (\$35.00).

(3) For re-entry in all subjects, Twenty-five Dollars (\$25.00).

(4) For Supplementary Examinations in less than three subjects, Five Dollars each subject.

#### THE LICENCE, AND MEDICAL REGISTRATION

22. Before being admitted as a Licentiate of the Board, each Candidate for the Licence, after passing the Final Examination, will be required to subscribe to a Declaration binding and obliging himself to conform to its requirements and to the Regulations of the Board under pain of forfeiture of his Licence.

23. A candidate having passed all Examinations and signed the prescribed Declaration, will be entitled without further fee to receive a Diploma or Certificate of Qualification, certifying his admission as a Licentiate of the Provincial Medical Board of Nova Scotia, and will be further entitled without additional fee to have his name and qualifications entered in the Medical Register.

\*A certificate of having passed in Medical Jurisprudence at any College recognized by the Board will exempt from all further examinations in that subject.

[NOTE. While the Third Professional is the only examination required of persons who, having satisfied the requirements of Chap. III., Sect. 8, are desirous of securing the Licence of the Provincial Medical Board with right of registration for the practice of medicine in Nova Scotia, candidates who wish to secure a certificate which will be accepted and entitle them to registration without further examination in another province, may do so by producing evidence in the first place of having satisfied in other respects the requirements of the Council of such Province, and by passing an additional examination in such of the subjects of the First and Second Professionals as may be required by such Council.

The fee for a single subject of either the First or the Second Professional Examination will be \$5.00. For more than one subject the regular full fee for the First or Second Examination, as the case may be, will be payable.]

24. (1) The board will admit to registration any person desirous of practising in Nova Scotia who is duly registered by the General Medical Council of Great Britain,\* upon his submitting his qualifications, together with satisfactory evidence of such registration and proof of identity and upon payment of the registration fee.

(2) When and as soon as it appears that there has been established in any other province of Canada, or in the North West Territories of Canada, an examining board similar to that constituted by the Medical Act of Nova Scotia, or an institution duly recognized by the legislature of any such province or of the said North West Territories, as the sole examining body therein for the purpose of granting certificates of qualification for the practice of medicine, and whereof the curriculum is equivalent to that established by the Act, the holder of a certificate of qualification from any such examining body or institution, shall upon due proof and upon payment of the registration fee, be entitled to registration by the Board, if the same privilege is accorded by such examining board or institution to those holding certificates of qualification from this Board.

(3) Whenever there is established under the Act of the Parliament of Canada known as "The Canada Medical Act, 1902," or any Act in amendment thereof, a Medical Council, and a *Medical Register for Canada*, any person duly registered in the said *Medical Register* may be registered in the Medical Register of the Board upon the production of a certificate under the hand of the Registrar of the said Medical Council for Canada, certifying that such person is duly registered in the said *Medical Register*, and upon satisfactory proof of the identity of such person and upon payment of the prescribed fee.

(4) The Registration Fee in all cases where no examination is required by the Board, will be Thirty Dollars (\$30.00.)

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\*Persons registered in the Colonial and Foreign Lists are included.

## APPENDIX

### (A) A synopsis Indicating Range of Subjects of Examination

#### I. PHYSICS

Candidates will be expected to possess such elementary acquaintance with the following subjects as may be found in Balfour Stewart's Lessons in Elementary Physics, or Everett's Elementary Text-book of Physics.

*Properties of Matter.*—Impenetrability, Divisibility, Density, Gravitation, Inertia, Different States of Matter.

*Kinematics.*—Various kinds of Motion, Definition and Measurement of Velocity and Acceleration. Composition and Resolution of Velocities.

*Kinetics.*—Mass, Density, Force. Laws of Motion. Weight, Energy, potential and kinetic. Work. Momentum. Conservation of Energy. Gravity.

*Statics.*—Composition and Resolution of Forces. Graphic Representation of Resultant. Centre of Gravity. Friction.

*Machines.*—Functions of a machine. Simple Pendulum. Mechanical Powers. Balance.

*Hydrostatics.*—Definition of a perfect Fluid. Fluid Pressure. Principles of Pascal and of Archimedes. Floating Bodies. Specific Gravity. Hydrometers. Motion of Liquids in rigid and elastic tubes. Capillarity. Osmosis.

*Pneumatics.*—Atmospheric Pressure. Barometers. Boyle's Law. Air Pumps. Syphon.

*Sound.*—Production and Propagation of Sound. Velocity of Sound. Intensity, pitch and quality of Sound. Reflection of Sound. Musical scale. Monochord. Organ pipes. Reed pipes. Tuning forks.

*Heat.*—Its nature and effects. Temperature. Thermometers. Hygrometry. Specific heat. Latent heat. Conduction. Convection. Radiation.

*Light.*—Intensity of Light. Velocity of Light. Reflection and Refraction. Mirrors. Prisms. Lenses. Microscope. Spectroscope. Double Refraction. Interference.

*Magnetism.*—Laws of magnetic action. Poles. Lines of force. Distribution of magnetism. Magnetic field. Magnetic induction. Earth's magnetism.

*Static Electricity.*—Production of Electricity by friction. Laws of electric action. Distribution of electricity on conductors. Potential. Capacity. Accumulators or Condensers. Leyden jar. Electrical machines. Electrophorus. Electroscopes.

*Current Electricity.*—Contact force. Galvanic cells. Ohm's law. Thermo electricity. Heating and luminous effects of current. Electrolysis. Batteries. Voltameters.

*Electro-magnetism.*—Magnetic action of Current. Electro-magnets. Galvanometers.

*Current Induction.*—Induction of currents by magnets or by currents. Self-induction. Induction coil. Principal of dynamo. Lenz's Law. Telephone. Microphone. Electric chronograph.

## II. CHEMISTRY

Classification of the Elements. Periodic system.

The Fundamental Laws of Chemistry.

Symbolic Notation.

Methods of determining Molecular Weights. Use of Chemical Equations.

The more important Chemical Processes, viz., Filtration, Sublimation, Crystallization, Distillation, Dialysis, Electrolysis, Oxidation, Reduction, and the apparatus required in these processes. Classification and the distinguishing characters of Acids, Bases and Salts. Preparation and Properties of the Non-metallic Elements, and their compounds with Hydrogen, Oxygen, and Sulphur, more especially such as are commonly used in Medicine and the Arts.

The Properties, Ores and Metallurgy of the following Metals:—Potassium, Sodium, Barium, Calcium, Magnesium, Aluminum, Zinc, Manganese, Iron, Chromium, Silver, Copper, Mercury, Arsenic, Antimony, Bismuth, Lead, Tin.

The most important Salts of these Metals and the processes of their manufacture.

The Chemistry of Air and Water; the impurities commonly found therein, and the methods of their detection and removal.

Classification of the more important Organic Compounds.

The preparation and properties of the following:—Hydrocyanic Acid, Cyanides and Cyanates, Methane, Methylamine, Methyl Alcohol, Formic Acid; Ethane, Common Alcohol, and Aldehyde; Acetic Acid; Amidoacetic, Acetamide; Common Ether, Chloral, Chloroform, Iodoform; Glycerol, Acetone.

Oxalic, Lactic, Tartaric and Citric Acids and their chief Salts  
Glycerine; Saponification.

Carbohydrates; Fermentation.

Products of Distillation of Wood and Coal.

Benzine, Phenol, Anilin, Benzoic Acid, Benzoic Aldehyde.

Urea, Albumen.



Alkaloids,—their characteristics and classification. Morphine, Quinine, Cinchonine, Strychnine, Brucine.

*Practical Chemistry.*—Detection of the Acid and Base in an Aqueous Solution of a Simple Salt. Simple Volumetric Analysis.

### III. PHYSIOLOGY AND HISTOLOGY

1. *Histological.*—The structure of the Tissues and Organs of the Body and the recognition of microscopical preparations of the Tissues and Organs.

2. *Chemical.*—The composition of the Food and the chemistry of Digestion and of the Secretions concerned in it. The Chemistry of the Tissues, and of the Excretions and of the other fluids of the body.

3. *Physiological.*—The Physiology of Digestion, Absorption, Blood and Circulation, Respiration, Nutrition, Secretion, Animal Heat and Animal Motion. The Physiology of the Nervous System, and the Organs of the Senses.

Under the above heads a practical acquaintance with the methods of microscopical and chemical examination and with the various instruments used in physiological investigation will also be required.

### IV. MATERIA MEDICA AND PHARMACY

*Materia Medica* will be held to include a knowledge of—

- (a) The Sources and Appearance of Pharmacopœial Drugs;
- (b) Their Physical and Chemical characters;
- (c) Their important chemical tests, adulterations and impurities;
- (d) Their preparations, doses and forms of administration;
- (e) Their Physiological action.

The candidate is not expected to know the details of the manufacture of substances, but he is expected to know the composition and strength of the more important and poisonous preparations.

*Pharmacy* will be held to include a knowledge of—

- (a) *Pharmaceutical* methods and operations;
- (b) Prescription writing;
- (c) Dispensing;
- (d) Chemical incompatibilities of Drugs.

### V. MEDICAL JURISPRUDENCE

Medical Evidence—Medico-Legal Examination of the Living and the Dead.

Violent Deaths—various modes

Death by Wounding—Wounds of Different Parts and Organs  
Examination of Instruments and Blood-stains.

Death by Poisoning—Classification of Poisons. Irritants, Organic and Inorganic. Narcotics, including the Spinal and Cerebro-

Spinal Poisons. Antagonism of Poisons, their Treatment and Chemical Detection.

Death by Asphyxia, including Hanging, Strangulation, Suffocation, Drowning, and their Treatment.

Medico-Legal questions connected with Rape, Conception, Pregnancy, Delivery and Infanticide.

Insanity in its Medico-Legal relations.

#### VI. THERAPEUTICS AND HYGIENE

*Therapeutics*—Will include the therapeutic action of drugs and other remedial measures.

*Hygiene*.—(1.) Air and Ventilation. Composition of the Atmosphere and its contaminations, with their sources and detection. Cubic Space required in different circumstances. Methods of Ventilation. Diseases conveyed through the air.

(2.) Water Supply. Various Sources. Stowage. Amount to be supplied. Contaminations common to water supply. Diseases conveyed thereby and management of same. Examination of water. Methods of purification.

(3.) Sewage and Sewage Gases. Ventilation of Sewers and Drains. Solid Refuse in towns and villages. Purification and Disposal.

(4.) Practical Sanitation. Management of infectious cases. The Principles of Disinfection, and the mode of action of the chief Disinfecting Agents. Sanitary arrangements. Conveyance of the sick. Administrative measures in outbreaks of infectious diseases. Hospital organization.

(5.) Food, in relation to health and disease:—Dietetics. The common adulterations of the chief articles of diet. Diseases connected with deficiency or impurity of food supply.

#### VII. PATHOLOGY AND BACTERIOLOGY

(a) General Pathology, including Degenerative Processes, Inflammation, Morbid Growths, etc.

(b) General Etiology, with reference to Parasitic and Infective Diseases.

(c) Systematic Pathology the more important diseases of the principal systems and organs of the body.

(d) Bacteriology, to include the General Morphology and Life History of the Micro-Organisms; Characters of the Organisms Pathogenic to the Human Subject, and their modes of producing disease, etc.

At the oral examination candidates will be examined on gross and microscopical preparations, and will be expected to possess a knowledge of the Preparation of Culture Media, Methods of Isolation and Cultivation, Staining, Separation of Bacterial Products, Inoculation,

**(B) List of Universities and Colleges**

whose certificates for attendance and examination in professional subjects, if satisfactory, will be accepted by the Board as qualifying for admission to the Examination for Licence, provided that in all cases the student before attending such College or University, shall have satisfied the requirements of this Board with regard to the Preliminary Examination as in Chap. I., and shall subsequently have completed a four years' curriculum\* in accordance with Chap. II. of the foregoing Regulations:

McGill University.	Harvard University.
Toronto University.	Boston University.
University of Manitoba.	Tufts College.
Dalhousie University.	Jefferson Medical College.
Halifax Medical College.	University of Pennsylvania.
Laval University.	Johns Hopkins University.
Queen's University.	University of Maryland.
Bishop's College.	Coll. Phys. and Surg. Baltimore.
Trinity University.	University of Michigan.
Columbia University (N. Y.)	Hahnem. Med. Coll., Philadelphia.
Coll. Phys. and Surg., New York.	New York Hom. Med. College.
Bellevue Hosp. Med. College.	Baltimore Medical College.
New York University.	Hahnemann Med. Coll., Chicago.
University of New York State.	Woman's Medical College, Penn.

The Universities, Colleges and Licensing Bodies recognized by the  
General Medical Council of Great Britain.

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\*Persons who began study after July 1st, 1908, must complete a course of five years.

## SPECIAL NOTICE

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The attention of Medical Students and of candidates for the Licence of this Board, and of all persons holding Nova Scotia qualifications, is drawn to the following resolution of the Executive Committee, which was adopted at the regular meeting of the General Medical Council, U. K., held at London, May 28th, 1907:

“That any person who holds—

- “1. The Diploma or Licence in Medicine, Surgery, and Midwifery granted after examination by the Provincial Medical Board of Nova Scotia, together with the Licence to practise in that Province; or
- “2. The Degrees of Doctor of Medicine and Master of Surgery of the Dalhousie University, together with the aforesaid Licence to practise; or
- “3. The Degrees of Doctor of Medicine and Master of Surgery of the Halifax Medical College, together with the aforesaid Licence to practise,

shall be entitled to be registered in the Colonial List of the *Medical Registrar*, provided he satisfies the REGISTRAR of the GENERAL MEDICAL COUNCIL regarding the other particulars set forth in Part II. of the *Medical Act*, 1886.”\*

In order to maintain this recognition of Nova Scotian qualifications, the Medical Council further intimated that the medical curriculum would require to be extended so as to include five *anni medici*. An Act was passed by the Legislature, April 16, 1908, making such a course compulsory for registration in Nova Scotia. As announced in circular for 1907-8, notice is therefore again given that all persons who began the study of Medicine after June 1, 1908, will be required to produce evidence of having completed a medical course of five years before being admitted to the Final Professional Examination for the Board's Licence.

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\*For further information regarding the documents to be produced by persons holding either of the above qualifications and desiring registration in the *Colonial List*, apply to *Registrar Pro. Med. Board*, 319 *Pleasant Street*, Halifax.