

Ontario College of Pharmacy.

The following are the questions given at the Semi-Annual Examinations, Dec., 1890.

PRESCRIPTIONS.

Examiner—A. R. FRASER. Time allowed—Two Hours.

1.—Translate into English, and describe fully, manner of mixing the following prescription, pointing out any errors which may occur:—

Recipe

Ferri et Ammonae Citratis drachmam unam cum semisse.

Potassii Iodidi drachmas duas.

Tincturae Quassia.

Vini Quinae ana uncias duas.

Spiritus Etheris Nitrosi drachmas duo decim.

Mucilaginous Acaciae unciam cum semisse.

Aquam ad uncias unciam sex misce.

Fiat leges artes de qua cochleare largum unum secundis vel tertiis horis, donec dolor exulaverit dein quatuor in die pro necesse sit.

2.—Translate into English, describe fully manner of mixing the following:—

R

(a) Iodin : Resub. gr xl
Glycerine dr i ss
Kali Iodid. gr xxxv
Cera Alb. dr i
Ung : Cetacei ad oz i

M. ft ung :

Appl e ope peneilla camel ter quaterve indies nucha capitis.

P.

(b) Hydr : Sabchlor. gr ii
Guaiaci Res : gr iv
Antim : Sulph : Precip : gr ii
Tere Simul in pil ii Tales xxx i T. D. S. et cap h. s. omne secunda nocte.

N.B.—State quantities required for 30 pills.

3.—A prescription reads:—

R

Strychnine. gr. 1-60
Aqua. dr. i.
Mitte. oz. viii.

M.

You keep in stock a solution one grain in a hundred. How much would you use? Show work.

4.—What quantity of the following drugs will dissolve in four ounces of cold water?

Ammon : Benzoes	Pot : Bromid :
Hydr : Perchlor :	Ferri Redact :
Cupri Sulph :	Argent Nit :
Lithia Carb :	Antifebrin.

5.—Give full Latin and English for following:—

Si febr adest :	Sesquih :
C : M : S :	Aq Pluv :
Pocil :	Cochleat :
Q : V : , Coq : in S : A :	Semih :
	Trid :

6.—Name the Poisons which must be Registered, by Pharmacy Act of 1889.

7-10.—Oral examination.

PRACTICAL DISPENSING.

Examiner—W. MURCHISON. Time Allowed—Two Hours.

Mrs. LENT'S CHILD.

R

Ol. ricini dr. vi.
— terebinth. dr. ss.
Sp. Ammon. aromat. dr. i.
Pulv. acaciae q. s.
Aque ad. oz. ii.
M. Ft. mist. Coch. dimid. min. omn. tert. hora sum.

Mrs. FOSTER.

R

Emp. Plumbi. 3} x 5 in.
Super alutan extend.
Partibus affectis applicandum

Mr. JONES.

R

Camphore gr. xii.
Pulv. glycyrrh. rad. gr. vi.
M. Ft. massa in pil No. vi. divid.
Cap. unum quaque nocte h. s.

Mr. DEAN.

R

Bism. subnit. dr. i.
Potass. Iodid. dr. ss.
Vasclini. oz. ss.
M. Ft. ung. Regioni affectae appl. p. r. n.

Miss HILL.

R

Camphore dr. ii.
Liq. Ammoniae oz. i.
Ol. Olive ad oz. iv.
M. Ft. lin. Semel vel bis die applicand.

CHEMISTRY.

Examiner—B. JACKES. Time Allowed—Two Hours.

1.—Give source, preparation and purification of Carbonate of Potassium.

2.—Describe two kinds of Barometers. What is their principal use? How is the height of a mountain estimated by a Barometer?

3.—Give method of testing Sugar and Albumen in Urine.

4.—Give the result in equations of a mixture of Silicate of Sodium and Chloride of Calcium. What is the preparation, and what are its properties?

5.—Work out a sum to show how much metallic Silver in 1,000 grains of Nitrate; and how much metallic Copper in 1,000 grains of Sulphate. (Show working.)

6.—Separate bottles containing Liquor Calcis, Liq. Plumbi, Liq. Chlori, and Liq. Potasse. How test them?

7.—Describe process of manufacture of Acid. Phos. Dil. State what danger, if any, there may be in its preparation.

8.—What action (if any) has Chlorine on Spirits Turpentine, on Iodine, on Metallic Antimony, on Oxide of Copper?

9 & 10.—Oral examination and recognition of samples.

BOTANY.

Examiner—CHAS. R. SNEATH. Time Allowed—Two Hours.

1.—Describe the structure of the endogenous stem. What characteristics are common to the plants of the class in which it is found?

2.—What is the Oyle? Describe its growth from formation to maturing, nam-

ing its parts. Name and define the terms applied to its various forms.

3.—Write a note on the Flower, explaining (1) Its origin; (2) Its various modifications and all applied terms relating to form, structure, etc., etc.

4.—What is the Gynaeceum?

Give a full description of its various parts and modifications. Name and define all technical terms in connection.

What is its function?

5.—To what class of plants is the term "Cryptogam" applied.

What families or orders are grouped under sub-division Pteridophyte?

6.—Give Botanical name of all plants of the following orders yielding B. P. Official Drugs, viz.:—

Compositae, Rosaceae, Umbelliferae.

7.—What is a Botanical Root?

How distinguished from a root-stock. Explain clearly what are Adventitious Roots, stating fully the botanical application of the term.

8.—Oral examination.

PHARMACY.

Examiner—F. HOLMAN. Time Allowed—Two Hours.

1.—Name ingredients and the proportions of active ones in—

Glycerinum Boracis,
Tinctura Iodi,
Tinctura Cinchonae Compositae,
Pilulae Asafetidae Compositae,
Vinum Quinae, and
Linimentum Terebinthinae, Aceticum.

2.—Give official definition of Spiritus Aetheris Nitrosi, and state theory, or rationale, of the process for its preparation.

3.—Give official, or other similar method for estimating the value of Spiritus Aetheris Nitrosi.

4.—Give official name of Hoffman's Anodyne.

State definitely what the preparation is, and

Briefly outline process for its preparation.

5.—Define the term "Solution."

Distinguish between the various kinds of same.

State phenomena exhibited during process, and

Give methods of facilitating the solution in water, of Sodium Chloride, Lithium Carbonate, Calcium Hydrate, Chlorine.

6.—Give best excipient for exhibiting in pill form the following:—

Reduced Iron, Permanganate of Potash, Phosphorous, and a mixture of Carbonate of Potash and Dried Sulphate of Iron

7.—For the testing of what galenic preparations is the volumetric solution of