

factured from rubber form an important part of a druggist's stock?

(h) Give a list of goods, manufactured from rubber, which are usually kept in a modern pharmacy.

4. What part or parts of the following plants are used in medicine:—

Myristica Officinalis.

Convolvulus Scammonia.

Hæmatoxylum Campeachianum.

Quercus Infectoria.

Caryophyllus Aromaticus.

5. Licorice—

(a) Give Latin name of plant from which it is obtained.

(b) From what country is it obtained?

(c) What part of the plant is used?

(d) Give medicinal properties.

(e) Give names of several brands or makes that are usually kept in a drug store.

(f) Give common names for a very popular and much used preparation of Powdered Licorice.

6. What is the most common adulterant of *Pulvis Rhei*, and how would you detect it with the microscope?

7. Wild Cherry Bark—

(a) Give the Latin name.

(b) To what country is it indigenous?

(c) What preparations of it are most frequently used?

(d) What acid does it contain?

(e) Does this acid pre-exist in the bark?

8, 9, 10. Oral examination, and recognition of specimens.

CHEMISTRY.

Examiner:—B. JACKES.

Time allowed, two hours.

1. Draw a diagram and illustrate by equations the manufacture of Sulphurous Acid by two different methods.

2. Explain the manufacture of Hydrocyanic Acid and show how it is reduced to Scheele's and B.P. strength.

3. Give an account of the chemistry of HNO_3 , considered (a) as an acid; (b) as an oxidizing agent; (c) give proof that it contains H.

4. Write the formula and names of the compounds containing the elements (a) (H and O), (b) (H and Cl), (c) (O and C).

5. Give briefly a method of preparing small quantities of (a) Metallic Arsenic, (b) Alumina (Al_2O_3), (c) Sulphide of Iron.

6. How may (a) Zinc be distinguished from Alumina, (b) Lead from Silver, (c) Cadmium from Arsenic.

7. Trace the different changes which take place in the manufacture of Alcohol, and show what relation it bears to Acetic Acid.

8. Give the original source, preparation, and purification of Potassium Carbonate.

9 and 10. Oral, and recognition of samples.

Ontario College of Pharmacy.

The following are the results of the junior examinations at the Ontario College of Pharmacy, arranged in order of merit:

FIRST-CLASS HONORS.

W. McDowell, H. Eagleson, J. C. Morrison, D. J. McF. Ashbury, J. M. Fisher, J. P. Hennessey, John Woodward, R. Henderson, John Murray and G. E. Thatcher, equal; J. C. Grosch, Winfield Faulds, N. H. Brown, J. S. Brown, J. G. Blain, F. W. Day.

SECOND-CLASS HONORS.

E. Bryson, O. Dowler, J. R. V. Broughton, J. A. Anderson and A. W. Urquhart, equal; Wilson Mitchell, A. F. Gledhill, B. P. St. John, Geo. A. Ionson, C. H. Amys, A. C. Rorabeck, A. E. Maret, F. W. Sills, F. T. McMaster and Johnson Lucas, equal; Harry Taylor, W. E. Bauer, H. A. Rowland, S. J. Mackey and G. F. Campbell, equal; E. T. Jones, Norval Smith and F. Studholme, equal; N. Samuelson, J. A. Graham and S. C. Lamb, equal; W. J. Bauld, A. E. Cox, J. Watson, Charles T. Laird, E. A. Walters, W. J. Kirkland and Colin Campbell, equal; W. M. Wright, A. T. Brown, Geo. J. Hunt and W. W. Turner, equal.

PASS LIST.

Alphabetical—W. H. Andrews, W. Appelbe, D. Ballingal, A. W. Butchlen, H. R. Carter, J. M. Cavanagh, A. Chambers, H. W. Chambers, Harry Cowan, A. Cundle, J. S. Fraleigh, Paul M. Gordon, Tim. Hatton, Chas. A. Hillis, Major Kelly, Will H. Lee, J. W. Little, E. E. Miller, R. H. McNally, O. A. McNichol, W. B. Nethery, W. H. Pearson, G. A. Ramsden, H. A. Raney, H. G. Radcliffe, Leonidas Rattey, A. W. Roberts, B. J. Rolston, G. A. Rowe, H. N. Roy, C. E. Swaisland, J. F. Taylor, Lawson Wynn.

Granted agrotat with pass standing—Alex. McDougall, George Timeline.

STARRED IN PASS SUBJECTS ONLY.

Materia medica and pharmacy—John J. Doherty.

Pharmacy and chemistry—E. B. Miller.

Chemistry—A. A. Morrow.

Materia medica, pharmacy, chemistry—W. H. Snyder.

Materia medica—J. G. Keogh.

Materia medica, botany, chemistry—Harry U. Tobey.

HIGHEST IN SUBJECTS.

Pharmacy, including practical—H. Eagleson, W. McDowell and John Murray, equal; R. Henderson, John Woodward and J. N. Fisher, equal.

Latin, posology, etc.—W. McDowell, Winfield Faulds, H. Eagleson, R. Henderson and Wilson Mitchell, equal.

Botany—H. Eagleson, W. McDowell, and J. C. Morrison.

Chemistry—J. C. Morrison, W. McDowell, J. P. Hennessey, J. N. Fisher, and D. J. McF. Ashbury.

Practical chemistry—N. E. Brown, F. W. Day, O. Dowler, H. Eagleson, J. P. Hennessey, Wilson Mitchell, W. McDowell and George F. Thatcher, equal.

The senior session begins on January 8, 1895.

COUNCIL EXAM.—DEC., '94.

Pass List—Allen, T. S., Barnes, T. T., Barnhart, F. C., Barrie H. G., Booth, J. H., Cruttenden, Thomas, Davis, Geo. H., Dunn, S. L., Hill, Reuben, Mitchell, H. W., Ross, A. H., Srigley, J., Jackson, Sydney, Johnston, John J., McKinnon, D., Shuric, Jas., Ward, R. C., Vaughn, J. C., and Johnston, A. R.

Passed in subjects—Four subjects, Brown, T. A., and Carter, W. C. Five subjects, Johnston, J. A. One subject, Thompson, J. C., and Bunting, G. B.

"Observation Sheets" of the American Pharmaceutical Association.

The following has been sent out by Mr. Alfred R. L. Dohme, chairman of the section on scientific papers of the American Pharmaceutical Association:—

TO EVERY PHARMACIST IN THIS GREAT LAND.—*Greeting:* In accordance with the resolution adopted by the American Pharmaceutical Association at its forty-second annual meeting at Asheville, in September, 1894, it becomes my pleasant duty to place before the pharmacists of this country the "observation sheet" given below. The purpose of this paper (as was ably pointed out in his address by the ex-president of the association, Mr. E. L. Patch, who formulated it) is to collect and tabulate a series of data upon incompatibilities, difficult problems, and experiences of all kinds in compounding and dispensing drugs, and how they were solved; upon the relative solubility and therapeutic value of the various new remedies; upon the condition of the various products purchased by the pharmacist, his experience with formulas of the Pharmacopœia, National Formulary, etc., as well as errors or difficulties of any kind found in the Pharmacopœia, dispensaries, or elsewhere.

When you consider that as many as 5,000 able and conscientious pharmacists will receive a copy of this observation sheet, and that the committee will thus secure the experience, reports, etc., of that number of men, you will readily recognize the great value that will accrue to every pharmacist. These reports will be tabulated, and in all probability published, and the experiences, suggestions, ideas, and much of the knowledge of this large number of men will thus be made public, and all will derive benefit.

The number of suggestions for experiment, reflection, and original research that will thus be brought to light, and the number of knotty problems to pharmacists solved, will be very great. The report upon the solubility of preparations and new remedies all over the land, and upon the quality of many U.S. Pharmacopœia and other preparations, will be of great service and interest to every pharmacist. The whole idea of the sheet is so new and so rich in valuable possibilities and usefulness that no just estimate of it can be given yet, save to say that it will prove of immense value to us all. One