

study by candidates at the professional examinations for first-class certificates and certificates as High School assistants, at the close of the institute in December.—1. The History of Education,—(a) "Introduction to the History of Educational Theories," by O. Browning, (b) "Lectures on the History of Education," by Jos. Payne, or "Essays on Educational Reformers," by R. H. Quick, M.A. 2. The Science of Education,—(a) "Education as a Science," by Alex. Bain, LL.D.; (b) "The Action of Examinations," by H. Latham. 3. The Principles and Practice of Teaching,—(a) "School Management," by Joseph Landon; (b) "Lectures on Teaching," by J. G. Fitch, M.A.; (c) "Teachers' Manual of Methods and Organization," by Robert Robinson; (d) "Education," by Herbert Spencer, (e) "The Culture Demanded by Modern Life," by E. L. Youmans. 4. Hygiene (see Syllabus for Normal School). 5. School Law (Public and High Schools Act, 1885, and Regulations). The above will be required for all examinations subsequent to December, 1885; but for 1885 the candidates may omit Youmans, Gill, Payne, and Quick.

The "Prize Day" in Upper Canada College was celebrated with all honor. Among those present were Lieut.-Gov. Robinson, Hon. G. W. Ross, Minister of Education; the Bishop of Toronto, Rev. D. J. Macdonnell, and Mr. J. Macdonald, Rev. E. A. Stafford, Capt. Geddes, A. D. C., Mr. C. W. Bunting, Rev. Dr. Scadding, Rev. Bro. Tobias, Mr. G. R. R. Cockburn, Dr. Daniel Wilson, Rev. Dr. McLaren, Rev. Dyson Hague, and Very Rev. Dean Geddes, Hamilton. Mr. G. R. R. Cockburn presented the Ross-Robertson prizes to W. Cross of the upper, and C. H. Willson of the lower schools. Rev. D. J. Macdonnell made the presentation of the Modern Languages prize to F. C. Snider. Bishop Sweatman presented the Mathematical prize to G. C. Biggar. Hon. G. W. Ross made L. B. Stephenson happy by presenting him with the Classical prize. The Lieutenant-Governor presented the Governor-General's silver medal to the head boy, G. C. Biggar. At the request of His Honor, the day after Thanksgiving was given by Principal Dickson as a holiday.

Question Drawer.

QUESTIONS.

NOTE.—Several of the query papers we receive for this department are signed "Subscriber." Such a general name should be discarded and initials or some distinctive signature adopted.

SUBSCRIBER (No. 1), wishes to ascertain the best method of making Monthly Reports for rural schools.

[Some of our friends who have succeeded in framing a desirable form, will kindly send us a copy for the benefit of "Subscriber" and our readers generally. Ed. C. S. J.]

1. Are certificates issued by the Department to the successful candidates at Entrance Examination?

2. Should they be got from the Inspector or from the Department. PEDAGOGUE.

1. What English History would you recommend for 2nd class students to read?

2. Is there a book just covering the work prescribed? SUBSCRIBER (No. 2).

1. Give a list of the principal American authors of the present century.

2. Who were (a) Laander, (b) Cicero, (c) Dante, (d) Pascal, and (e) Goethe? EXCELSIOR.

Please inform me through your columns of a work on Botany, which will cover the course for a 2nd class certificate; also, for 1st class. G. H.

1. Will the certificates for 3rd class teachers issued last summer be valid only for the county in which the final examination was passed?

2. Can the Public School Board act against the will of the rate-payers of the school section?

3. In case the school grant is withheld from a school, owing to the engagement of an unqualified teacher, has the school section to lose the grant, or will it fall on the School Trustees?

4. Can the trustees refuse to re-engage a teacher at the same salary without finding a fault? J. D. B.

1. Please give an outline of curriculum of studies of Normal School, Toronto, for 1886.

2. A person owned a house valued at \$2,400. A tenant rented it at an annual rent of \$200, to be paid in advance. The owner, at the end of each year paid \$20 to keep it in repair. How much would the tenant gain or lose by buying the house, paying cash for the same? Money is worth 7%. R. S. E.

1. Will you publish in the JOURNAL all of the examination papers set for 1st class, in July last?

2. Can the degree, LL.D., be obtained in Ontario by passing examination? If so, where?

3. What position does Dr. William Matthews, author of "Words; their Use and Abuse," occupy in Chicago? E. W.

1. Will pupils, who have passed the Entrance, last July, be required to write again this December, if they wish to be admitted to the High School next January?

2. Are Public School teachers obliged to teach such pupils?

3. Are the new Table Lessons yet ready? And at what price?

4. Are maps, globes, &c., obtainable from the Department, as heretofore, at 100; discount on sums exceeding \$5.

5. In one of the issues of the JOURNAL there is a new Arithmetic mentioned. Is there any later than Hamblin Smith's? SUBSCRIBER (No. 3).

Parse and explain: "Verse,"—the first word of "Youth and Age" in the Literature for July, 1886. X. Y. Z.

ANSWERS.

PEDAGOGUE (1 and 2).—Certificates are granted and issued by the Board of Examiners.

SUBSCRIBER (No. 2.)—1. Green's Short History of the English People. 2. We think not, and should not advise you to buy it if there were.

EXCELSIOR.—1. A full reply to your question would occupy too much space. Bryant, Longfellow and Whittier may be taken as the representative poets, though Oliver Wendell Holmes, James Russell Lowell, John G. Saxe, N. P. Willis, Edgar Allan Poe, Dr. J. G. Holland, R. H. Dana, Ralph Waldo Emerson and many others have earned distinction in special styles of verse. Amongst prose writers we might mention Bancroft, Prescott, Motley and Parkman as Historians, Emerson as a Philosopher, Hawthorne as an original Novelist, while most of the names before given and many others are distinguished in various departments of Literature and Science. 2. (a) A mythical youth of Abylos who, from love of Hero, the priestess of Aphrodite, in Sestos, swam every night across the Hellespont. (b) The greatest of Roman orators, illustrious also as a statesman and a man of letters. (c) The greatest of Italian poets and one of the greatest poets of all time. His great and immortal work is the *Divina Commedia*. (d) A French scholar and philosopher and one of the most distinguished of the 17th century. His *Letters Provinciales* are famous as models of style, wit, and controversial treatises. (e) The prince of German poets and one of the most gifted and accomplished men of the 18th century. His most famous poem is *Faust*, but his writings in both prose and poetry were voluminous.

G. H.—Spotton's Botany, Parts I. and II., will no doubt serve your purpose.

J. D. B.—1. Yes, but it may be transferred on certain conditions. 2. Yes, so long as they hold office. 3. On the Trustees.

4. Certainly, they have the power.

C. S. E.—Write to the Education Department for a programme.

E. W.—1. Yes, with the exception of the ancient and modern language papers. 2. We think not. Toronto University no longer gives it on examination and so far as we are aware it alone has hitherto done so. This degree is almost always honorary.

SUBSCRIBER (No. 3.)—1. We think they could enter at any subsequent term. We can find no regulation on the matter. 2. Yes, \$2.75, mounted on heavy card board. 4. The Department Department has been abolished. 5. None authorized.

To Mr. Ireland's question in No. 38, October 22nd.

1. Let x = time till the trains are in position, and a = shortest hue. $a^2 = (100 - 40x)^2 + (30x)^2 - 2 \cos 30^\circ 30x(100 - 40x)$ Now the question is—for what value of x is dexter a minimum?