

3. Be careful to add, subtract, multiply, divide, and to use the decimal point accurately.
4. Use the dot in all abbreviations and style every important number by a proper term or phrase.
5. Make out solutions on the slate or separate slips to be copied in order.
6. Make beautiful figures and with the pen.
7. Separate your solutions by lines parallel to the ends and sides of your paper.
8. Have a certain place for answers.
9. Mark the leading parts of solutions I, II, III, etc.
10. Verify your answers.
11. Make your solutions appear as if copied from a book.
12. If you write on both sides of the paper, turn it "end for end" when you have completed the first page.

These hints will plainly serve in an examination of teachers.

If applicants for teachers' certificates were to be graded on neatness of their manuscripts, how many would fail who now succeed?

W. H. in *Ohio Educational Monthly*.

Notes and News.

ONTARIO.

Mr. Butler, public school inspector for Elgin, in his annual report has some sensible remarks on infant teaching. He contends that the work of teaching very young pupils is as important as that of any higher grade, that the conductors of infant classes should receive as large salaries as the best paid teachers, and that special certificates should be issued for those who wish to engage in this department of school work. The requirements, besides the ordinary English subjects, should be a knowledge of kindergarten methods, expertness in object lesson teaching, good elocution, proficiency in mental arithmetic, a knowledge of the science of common things, and an intimate acquaintance with the laws of health. Mr. Butler coincides with all intelligent educationists in condemning the policy of handing over young pupils to the care of unskilled, inexperienced, and inept teachers.

A well deserved tribute was paid a few days ago to Mr. J. H. McFaul, inspector of city schools, and head master of the county model school, St. Catharines. At the close of the professional examination of the model school, he was invited to meet the students in the central school, where he was presented by the teachers in training, thirty in number, with a valuable gold-headed ebony cane, elaborately engraved, and a handsomely framed photo group of the students accompanied with an address. In addition to the teachers-in-training, there were present Messrs. Grey, Seath, Moir, and Moyer of the institute. Mr. McFaul made a suitable reply, after which Mr. Grey briefly addressed the candidates. The model students were invited to meet at Mr. McFaul's residence at eight o'clock, where a most enjoyable evening was spent.

The changes for 1883 in the staff of the Cobourg collegiate institute are as follows:—E. Odium, B.A., classical master, has accepted the head-mastership of Pembroke H. S. To be succeeded by Mr. E. C. Fluyck, Hon. undergraduate, fourth year, Victoria university, and at one time assistant master in Campbellford H. S. R. Ferguson, B.A., first English master, has been appointed to the second mastership in Owen Sound H. S., and will be succeeded by Mr. Chas. James, a distinguished honor undergraduate, fourth year, Victoria, and for a time assistant master in Napanee H. S. W. Hough, B.A., preparatory department, takes an assistant mastership in Strathroy H. S., and will be succeeded by Mr. E. M. Popham, a fourth year man, Victoria.

At a late meeting of the St. Thomas school board a communication was received from the Education Department, containing an extract from the report of Mr. Hodgson, high school inspector, on the state of the collegiate institute. He visited the school on the 13th of October last, and found the accommodation highly satisfactory, the equipment excellent, specialists employed in the upper rooms, and the work taken up in departments. He found a very pleasing feeling pervading the school, and the discipline not only good but seemingly maintained without special effort on the part of the teachers. The contemplated appointment of a mathematical master, of high university standing, will render the staff unusually efficient. Evidently Mr. Millar, the principal, deserves the vote of thanks tendered him by the board for his efficient services during the year.

Since the re-organization of the University of Toronto on its present basis in 1827 the degrees conferred have numbered in all seven hundred and eighty-nine, analyzed as follows:—LL.D., five; LL.B., thirty-one; M.D., fourteen; M.B., forty-seven; M.A., two hundred and twenty-five; B.A., four hundred and sixty-seven.

In St. Thomas, Mr. John W. Cook, ex-mathematical master of the collegiate institute, is a candidate for the position of school trustee in one of the wards. Mr. Cook having "been there" ought to be able to sympathize with the teachers if he succeeds in being elected.

A very unpleasant occurrence took place recently in the Kingston medical school. During one of the lectures the lady students in attendance rose and left the room in a body, on account of the manner in which a certain remark made by the lecturer was received by the male members of the class. The latter declare that they did not indulge in any of the alleged cheering until after the ladies had taken their departure. It is difficult to get at the real facts of the case, owing to the conflicting statements of the students of both sexes and of the professor whose remark does not appear to have been in itself an improper one. The male students resolved to end the matter by requiring the non-admission of students of the other sex, and threatening to leave in a body as the alternative. Matters have been compromised by allowing the female students to complete the present session, and by giving a pledge that no more shall be admitted in future. If it is desirable to have lady practitioners, it is surely desirable that they should have a thoroughly scientific training.

E. Odium, B.A., of Cobourg collegiate institute, is to be head master of Pembroke high school for 1883; his assistant is Mr. Cabut, B.A., of Toronto. In the public school Mr. W. Alford is re-engaged at an advance of \$50; in the separate school, Mr. Partil is selected as head master.

At the last two meetings of the senate of the University of Toronto some matters of more than ordinary importance came up before that body. One of these is the question of allowing an option at the local examinations for women between Scott's "Marmion" on the one hand and Goldsmith's "Traveller" and Burke's "Reflections" on the other. The question was raised by a memorial from the Richmond Hill high school board, and as the senate has the matter under consideration it would be well for other localities interested to bestir themselves with a view to securing a very important concession. As these examinations are not competitive there should be no great difficulty in the way. The question of abolishing the residence in connection with university college has been raised by a notice of motion, but no action is yet reported. About 100 of the students in attendance at the college have sent in a memorial praying for the retention of scholarships, against which may be set off a previous memorial by double the number praying that the money thus spent might be devoted to some more generally useful purpose. The question of throwing open the meetings of the senate to the press was also raised on a notice of motion. Nothing that the senate could do would be more popular or more productive of benefit to the institution. The senate has taken the action necessary for the establishment of fellowships—nine in number—in connection with the work of university college. This is a novel experiment in Canada and time alone can tell how it will succeed. The fellows will be graduates who intend to pursue some post-graduate course and who will, in consideration of the \$500 a year be required to do some tutorial work. The writing of theses in the examination hall for the degree of M.A. and M.D. was ordered to be discontinued. The following is the list of examiners for 1883, Law—B. B. Osler, LL.B., Q.C.; Z. A. Lash, Q.C., late deputy minister of justice. Medicine—Physiology and pathology, Geo. Wilkins, M.D. (professor Bishop's college medical faculty, Montreal), medicine and therapeutics—F. H. Eccles, M.D., (medical faculty Western university, London); midwifery and forensic medicine—D. B. Fraser, M.B.; anatomy—M. H. Aikins, B.A., M.B., (professor anatomy Toronto school of medicine); surgery and surgical anatomy—F. G. M. Grasett, M.B., (medical jurisprudence Trinity school), clinical medicine and clinical surgery—E. O'Rielly, M.D., (supt. Toronto general hospital); hygiene and medical psychology—C. W. Covernton, M.D., (professor sanitary science Trinity medical school, member board of health. Medicine and Arts.—Chemistry—W. H. Ellis, M.A., M.B., professor of chemistry, school of science. Biology—H. Montgomery, M.A., B.Sc. (Toronto school of medicine.) Arts—Classics—A. Johnson, B.A., LL.B., W. Dale, M.A., J. Fletcher, M.A. Mathematics—E. Frisby, M.A.; T. W. Wright, M.A.; W. J. Loudon, B.A. English and