EDUCATION DEPARTMENT, ONTARIO.

DECEMBER EXAMINATION⁴ 1886.

High School Entrance.

ARITHMRTIC.

Examiners. | W. H. Ballard, M.A. J. E. Hodgson, M.A.

NOTE.—Only 9 questions are to be attempted. A maximum of 5 marks may be allowed for neatness.

I. Simplify $\frac{1}{2} - \frac{3}{4}$ of $\frac{3}{4} + \frac{7}{4}$ and find how many times the result is contained in $\frac{3}{4} \div (\frac{7}{4} \text{ of } \frac{7}{4} - \frac{1}{4})$. [11.]

2. Divide the product of '037 and '0025 by the sum of '9, '02 and '005. [11.]

3. It a road is four rods wide how many miles of it will make ten acres? [11.]

4. A lot 150 fret long and 100 feet wide is to be surrounded by a close board fence 6 feet high; what will the boards' cost at \$12.50 per thousand feet? [11.]

5. A farmer bought a number of horses and cows for $p_2, \infty o$. There were three times as many cows as horses and a horse cost twice as much as a cow. If each horse cost p_2, p_3, p_4 is a cow. If each horse cost p_3, p_4 is a cow. If each horse cost p_3, p_4 is a cow. If each horse cost p_4, p_4 is a cow. If each horse cost p_4, p_4 is a cow. If each horse cost p_4, p_4 is a cow. If each horse cost p_4, p_4 is a cow. If each horse cost p_4, p_4 is a cow. If each horse cost p_4, p_4 is a cow. If each horse cost p_4, p_4 is a cow. If each horse cost p_4, p_4 is a cost

6. A man has a salary of \$400 a year and has \$500 in the bank. If he spends \$500 a year, in what time will his money be all gone? [11.]

7. What will a dollar amount to in 3 years 219 days at 7½ per cent. per annum? [11.]

8. A man borrows \$900, for the use of which he has to pay \$3 a month; how long will he have had it when the interest is 50c. on every dollar borrowed?

9. A dealer sold an article for \$8.10 and lost 10 per cent.; at what selling price would he have gained 10 per cent.? [12.]

10. How can you tell, without actually dividing, whether a number can be divided by 9 without leaving a remainder? [12.]

11. If a cow gives 12 qts. I pt. of milk every day, and I lb. 8 oz. of butter can be made from 25 qts. of milk, how many lbs. of butter can be made in one week from the milk of 16 cow.? [12.]

12. A man bought a quantity of tea supposed to be done up in packages of 1 lb. each,

for which he was to pay 564; on weighing them, however, it was found that each package was 1 oz. too light—how much should he pay for the tea? [12.]

LITERATURE.

NOTR.—All candidates must take section A. A choice is allowed between sections B. and C., but candidates must confine themselves to the section they choose.

A maximum of five marks may be added for nearness.

л.

Scrooge was better than his word. . . . May that be truly said of us, and all of us!

t. Explain concisely the meaning of the italicized portions of the passage. [24.]

2. How had Scrooge been in the habit of treating Bob Cratchit? Refer to incidents mentioned in the previous part of the lesson in support of your answer. [5.]

3. "He knew how to keep Christmas well." What was his method of keeping Christmas? [5.]

4. What is the derivation of the word Christmas? What sort of feeling should the season inspire? Why? [6.]

5. How does Addison, in the Vision of Mirza, represent (a) the duration of human life, and (b) its cares and passions ? [10.

B.

"I long wooed your daughter

Our fair cousin with young Lochinvar."

6. Explain concisely the meaning of the italicized portions of the passage. [24.]

7. (a) "Love swells like the Solway, but ebbs like its tide." What object has Lochinvar in making this statement? [3.]

(b) "With a smile on her lips and a tear in her eye." Account for the smile and the tear.
[4-]

(c) "While her mother did fret and her father did fume." Would the sentiment be as natural if Scott had written, "While her father did fret and her mother did fume "? Give a reason for your answer. [5.]

(d) Account for the opinion of the bridemaidens, "'Twere better, etc." [4.] .

(r) Point out the emphatic words in lines