

54080
 38584
 23
~~3787576~~
~~36504~~
 9126
 4563

Education Department, Ontario.

Annual Examinations, 1900.

PART I. JUNIOR MATRICULATION.

ARITHMETIC.

Examiners: { A. C. MCKAY, B.A.
 A. ODELL
 W. PRENDERGAST, B.A.

4137800
 4563 / 3470
 34726

1. Simplify $\{(.05)^3 - (.02)^3\} + \{(.05)^2 + (.05)(.02) + (.02)^2\} \cdot .03$
2. Reduce to its simplest form:—
 $(3\frac{1}{2} + 5\frac{1}{3} - \frac{1}{45})(4\frac{1}{2} - 8\frac{1}{4})$ divided by $1\frac{1}{11} + 2\frac{1}{3} - (2\frac{2}{16} - \frac{1}{8} - \frac{1}{22})$. 4.8
3. A man owns .18 of a certain mine. He sells .252 of his share for \$5000. What is the value of the mine? 108900
4. A person sold to A $\frac{1}{3}$ of his land; to B $\frac{1}{4}$ of the remainder; to C $\frac{1}{5}$ of what then remained and received \$55 for what he had left at \$75 an acre. Find the number of acres he had at first. 2523
5. A merchant buys goods amounting per catalogue price to \$540.80, subject to 25 % and 10 % off, and he sells at catalogue prices. Find the rate per cent. profit. 36.94
6. What per cent. is realised on money by investing in a $3\frac{1}{2}$ 2 1/2 per cent. stock at \$140, dividends payable yearly?
7. A young man deposits \$100 in a savings bank at the beginning of each year, making his first deposit on January 1st, 1895. How much will there be to his credit on December 31st, 1899, the bank paying 3 % per annum? 54680
8. \$500. Toronto, January 15th, 1899. Ninety days after date I promise to pay Henry Graham, or order, the sum of Five Hundred Dollars, with interest at six per cent. per annum. Value received. 50132

3440
 67

54
 4056

JOHN RYAN.
 This note was discounted on Feb. 20th, 1899, at 8 per cent.
 Find its cash value on that date. [OVER.]

1352
 54080 x 95 = 51376
 108900