EXAMINATION PAPERS.

Fifth Class-10.

1 A and B engage in trade, A puts in \$800 and B \$600. At the end of 6mos. A puts in \$400 more and at the end of 8mos. B puts in 500 more. At the end of the year their assets are \$3000; find A's share of the gain. \$39613-Ans.

2 Simplify $\sqrt{(1-\frac{7}{16})}$ $\sqrt{(2-1\frac{13}{46})}$

$\sqrt{(1-2^{9}5)}$ $\sqrt{(2-40)}$ $\frac{315}{352}$ Ans.

3 A man bought a number of sheep for \$1800; he sold $\frac{2}{3}$ of them at \$7 apiece, gaining $16\frac{2}{3}$ per cent of what they cost. How many sheep did he buy? 300sheep—Ans.

4 When gold is quoted at 110; what is the value in gold of \$100 in greenbacks? $\$90\frac{10}{11}$ —Ans.

5 A man buys a house to be paid for as follows : $\frac{1}{3}$ down, and $\frac{1}{3}$ every four months until the whole is paid. When might the whole be paid at once? 8mos.—Ans.

6 Find the number of acres in a rectangular field whose perimeter is 480 rods and whose length is five times its width. 50acres—Ans.

Fifth Class-11.

1 What is the present worth of a note of \$20, payable in 1 year at 6 per cent discount? \$18.86 $\frac{1}{23}$ —Ans.

2 If a certain number be increased by $\frac{1}{2}$ of its square the sum will be 220, but if it be increased by $\frac{1}{5}$ of its square the sum will be 100; find the number. 20—Ans.

3 The cube root of the square of a number is 1° ; find the number. 64—Ans.

4 A man sold his farm for 20 per cent more than 90 per cent of what it cost, and gained \$800; find the cost of the farm. \$10000—Ans.

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