Fifth Class – 6

1 Define, Ad Valorem Duty, Specific Duty, Invoice, Carat and Stock.

2 Write in words $1\frac{789}{1000}$, ·3 and 1.218.

3 A merchant marked a piece of cloth 40 per cent above cost ; when selling it he made a reduction of 10 per cent of the marked price and gained $20\frac{4}{5}$cts. per yd ; how much did the cloth cost per yd. ?   80cts.—Ans.

4 In a mixture of wine and water 70 per cent of the whole is wine ; 11gals. more water are added, and now only $63\frac{7}{11}$ per cent is wine ; how many gallons of wine were there at first ?   77gals.—Ans.

5 A man gave his note for 8months at 6 per cent. He paid \$900 to redeem it when due; what was the face of the note ? $\$865\frac{5}{13}$—Ans.

6 If a certain number be increased by 47, $\frac{3}{10}$ of $\frac{20}{21}$ of the sum is $54\frac{6}{7}$; find the number.   145—Ans.

7 The length of a field, containing 2acs. 2ro. 5sq. rods, is 5times its width ; find the length of the field. 45rods—Ans.

8 A merchant bought 500yds. of silk at \$1.10 per yd ; he paid a specific duty of 30cts. per yd. and an ad valorem duty of 10 per cent. At what price per yd. must he sell it so as to gain 40 per cent on the entire cost ? $\$2.11\frac{2}{5}$—Ans.

9 Eighteen per cent of 360 is ·5 per cent of what number ?   12960—Ans.

Fifth Class – 7

1 A tree 80ft. high was broken into two parts by falling ; $\frac{2}{13}$ of the longer part is equal to $\frac{2}{3}$ of the shorter part ; find the length of the longer part.   65ft.—Ans.