SEVEN STAR INTERNATIONAL SCHOOL BANI.

Class 8- Mathematics

Maximum Marks:30 Time: 1 hour

Section A – Multiple Choice Questions (1× 6 = 6 marks)

1. The ratio 50: 200 expressed as a percentage is b) 20% c) 25% d) 40%

2. If the cost price of a pen is Rs.20 and it is sold at Rs.25, the profit percent is b) 20% °c) 25% d) 30%

3. The marked price of a shirt is Rs.800. A discount of 10% is given. The selling price is

a) Rs.700 b) Rs.720 c) Rs.740 d) Rs.760 4. Simple Interest on Rs.5000 at 8% per annum for 2 years is -

a) Rs.400 b) Rs.500 c) Rs.600 d) Rs.800

5. The population of a town increases from 20,000 to 24,000 in one year. The percentage increase in population is -

b) 15% of 20% a) 10%

Increase 1. = Increase original

Section B - Short Answer Questions (2×4 = 8 marks)

6. Find the compound interest on Rs.10,000 for 2 years at 5% per annum compounded

annually. A = 1095 / (9 = A-P = 1095)
A shopkeeper buys an article for Rs.600 and sells it at a gain of 12%. Find the selling price of the article. 672
A bottle is marked at Rs.200. A discount of 5% is offered. Find the selling price and

the amount of discount. $3P = 190 - 0 = MP - SP = 2\infty - 190 = 10$

An article was purchased for Rs.1239 including GST of 18 %. Find the price of the article before GST was added?

CP=1239, G15T=181. Pouce before G1St = 100 XCP = 1050

Section C - Long Answer Questions (4×3 = 12 marks)

10. The cost of an article was Rs.15,500. Rs.450 were specifically a profit of 15%, find the selling price of the article.

a profit of 15%, find the selling price of the article.

SP = CP x (100 + 15)

100

= 15950 (115) = 18342.50

1s. A man borrowed Rs. 12,000 from a bank at 10% per annum simple interest, After how many years will the interest amount be Rs.4,800?

12 A scooter was bought at Rs.42000 .It's value depreciated at the rate of 8 % per annum. Find its value after one year. $A = P(1 - \frac{P}{100}) = 38640$

13 Solve:

1. If 12.5 % of 192 = 50 % of x, than find the value of x. $\chi = 4.8$

2. Find the ratio of 75 paise to Rs.3 1.4

(SECTION-D)

Q14, CASE STUDY (1 × 4 = 4)

A person deposited Rs.40,000 with a bank that gives a simple interest at the rate of 12.5% per annum. He also deposited the same amount for 5 years at the rate of 11% per annum compounded annually. After 5 years, he wanted to take out that cash and use it. Based on the 4000 X12.5 X5 = 95000 above information, answer the following: @

b) What is the total amount he will be getting after 5 years?

b) 4000 +9500 = 65000

c) What is the compound interest he will get after 5 years?

d) What is the difference between compound interest and simple interest?

interest?
$$A = \frac{40000}{100} \left(\frac{111}{100} \right)^5 = 67402.32$$

$$c9 = 67402.32 - 400000 = 27402.32$$