SA (1+2) Subject : Mathematics
Class – VIII
Assignment – 7

CHAPTER – PERCENTAGE AND ITS APPLICATIONS

Choose the correct option (Question No. 1 – 5)

Q.1   Gainer loss percent is calculated on _____ (Fill in the blanks)

Q.2   The price of a Jacket was slashed from Rs. 960 to Rs. 816. Then the rate of discount offered is
       a.   10%   b.   15%   c.   12.5%   d.   5%
       (Choose the correct option)

Q.3   0.91 is
       a.   9.1%   b.   0.091%   c.   91%   d.   0.0091%

Q.4   The reduction in the MP is collect VAT (True / False)

Q.5   Net Price is the _____ between MP and discount. (Fill in the blank)

Q.6   Find (a) 20% of Rs. 800   (b) 16.5% of 5000m

Q.7   Find the number x, if (a) 22% of x is 26.4 (b) 8.4% of x is 42 (c) ½% of x is 50
       (d) x% of 1800 is 9

Q.8   Balanced diet should contain 14% of proteins, 23% of fats and 63% of Carbohydrates. IF a Child needs 2600 calories in his food daily, find in calories the amount of each of these in his daily food intake.

Q.9   A garden has 2000 trees. 16% of these are mango trees, 24% lemon and the rest are orange trees. Find the number of orange trees.

Q.10   A cricketer scored a total of 62 runs in 96 balls. He hit 3 sixes, 8 fours, 2 twos and 8 singles. What is the percentage of the total runs come in –
       I.   Sixes
       II.   Fours
       III.   Twos
       IV.   Singles

Q.11   Aman's income is 20% less than that of Anil. What percent is Anil's income more than that of Aman.

Q.12   75% of the total number of students, didn't go for picnic. Those who went for the picnic were 750. Find the total number of students in the school.

Q.13 In the new Budget, the Price of Petrol rose by 10%. By how much percent must one reduce the consumption so that the expenditure does not increase.

Q.14. The winning percentage of Indian Cricket Team is 60% of the total number of matches which were played by it during the year. IF the team lost 12 matches in all and no match was drawn, find the total number of matches played by the team during the year.

Q.15 Sony spends 25% of her salary on food and donates 5% of her salary in a charitable trust. In a particular month she spent Rs. 2,310 on these 2 items. What is her total salary for this month?

Q.16 By selling a pen for Rs. 60. Shyam gains 25%. Find the C.P. of the pen.

Q.17 By selling 8 dozen of pencils, a shopkeeper gains the selling price of one dozen pencils. Find his gain percentage.

Q.18 Harish bought a cycle for Rs. 480 and sold it to Satish at a profit of 6%. SAtish sold the same to Girish at a profit of 10%. For how much did Girish get it?

Q.19 Soniya buys 2 watches for Rs. 1200 each. She sells one at a profit of 10% and other at a loss of 5%. Find her gain and loss percentage.

Q.20 Suresh buys a V.C.D. player for Rs. 6,500. He sells it to Chaman at a profit of 8%. Chaman sells it to Mukesh at a profit of 10%. How much Mukesh pay for the V.C.D. player?

Q.21. The marked price of a ceiling fan is Rs. 720. During off season, it is sold for Rs. 684. Find the discount percent.

Q.22 List price of a scooter is Rs. 3,500. It is available at a discount of 8%. Find the S.P. of the scooter.

Q.23 Find the marked price of an almirah which is sold at Rs. 5,225 after allowing a discount of 5%.

Q.24 A poor lady was shivering in cold. She went to a shop to purchase a shawl. But she had only Rs. 680 with her. The shopkeeper noticed the condition of the poor lady and sold the shawl for Rs. 680 after allowing a discount of 40% on the Market Price.
(i)   Find the marked price of the shawl.
(ii)   What quality is shown by the shopkeeper.

Q.25 Mr. Narang purchased a camera for Rs. 2,365 including 10% tax. Find the M.P. of the camera.

Q.26 The list price of a coloured T.V. is Rs. 17,650. If the sales tax is 8%. Find the sales price.

Q.27 Naresh paid Rs. 20 on sales tax on a pair of shoes worth Rs. 250. Find the rate of sales tax.