B.B.A.(Forest Management and Eco-Tourism) CBCS Pattern Sem-I

003 - Aptitude Development - I

P. Pages : 1 **GUG/W/22/14289**

Time : Two Hours * 3 6 0 7 * Max. Marks : 60

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1. a) One shopkeeper was offering two successive discounts of 15% and 10% on an item, while the second shopkeeper is offering flat 25% discount on the same item. From which shopkeeper should the item be purchased. **12**

OR

b) The cost component of an article is as under- **12**
Material – Rs. 15
Labour – Rs. 10
Other expenses – Rs. 10
If the manufacture decided to sell the item at 10% profit on cost, then calculate the selling price.

2. a) Find the compound interest if Rs. 5000 was invested for 2 years at 10% p. a. compounded half yearly. **12**

OR

b) Neha took a loan of Rs. 1200 from a cooperative society, with simple interest for as many years as the rate of interest. If Neha paid interest of Rs. 432 at the end of the loan period what was the rate of interest. **12**

3. a) In a match Virat Kohali scored 110 runs, which include 3 boundaries and 8 sixes. Calculate the percentage of his total score he made by running between the wickets. **12**

OR

b) In a school 20% of students are below 8 years of age. The number of students above 8 years of age is 2/3 of the number of students of 8 years of age, which is 48. What is the total number of students in the school. **12**

4. a) A shopkeeper has a sale of Rs. 6400, Rs. 6800, Rs. 6500, Rs. 7300 and Rs. 5900 for 5 months. Calculate the sale he must have in the sixth month so that his average sale will be of Rs. 7500. **12**

OR

b) The average weight of 8 persons increases by 2kg. when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person? **12**

5. a) The cost price of an article is Rs. 500 and its selling price is Rs. 600. Calculate percentage profit and loss. **3**

b) Calculate simple interest if principle amount is Rs. 3000, time period is 2 years and the rate of interest is 10% **3**

c) Calculates 50% of 1278. **3**

d) Calculate the average of first five (1, 2, 3, 4, 5) natural numbers. **3**

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