Logical Connectives

Practice Exercise

1) A fruit-seller purchase some oranges at the rate of 7 for Rs.10 and sold them at 10 for Rs.13. What is his gain or loss percent in the transaction?

   a) 4% profit   b) 9% loss   c) 4 % loss   d) 9% profit

2) A shopkeeper bought toffees at the rate of 4 for Rs.15 and same number at the rate of 5 for Rs.25, then gain or loss in the whole transaction was?

   a) $14\frac{2}{7}$ % loss   b) $33\frac{1}{3}$ % loss   c) $33\frac{1}{3}$ % profit   d) 25% profit

3) Some items were bought at 6 items for Rs.5 and sold at 5 items for Rs.6. What is the gain percentage?

   a) 44%   b) $33\frac{1}{3}$ %   c) 30%   d) 25% profit

4) Some oranges were bought at the rate of 5 for Rs.4 and same number at the rate of 4 for Rs.10. If the whole lot was sold at the rate of 10 for Rs.18, then gain or loss in the whole transaction was?

   a) 11 1/9%   b) $33\frac{1}{3}$ %   c) 22 2/9%   d) 9 1/11%

5) By selling an article for Rs.480 a person lost 20%. For what should he sell it to make a profit of 20%?

   a) Rs.800   b) Rs.760   c) Rs.720   d) Rs.680

6) The owner of a cell phone shop charges his customer 28% more than the cost price. If a customer paid Rs.8,960 for the cell phone, then what was the cost price of the cell phone?

   a) Rs.7800   b) Rs.7100   c) Rs.6900   d) Rs.7000

7) A merchant bought a Laptop and sold it at a loss of 25%. If he had bought at 20% less and sold it for Rs.3150 more, he would have gained 20% on the laptop. Find the cost price of the laptop?   *[Capgemini -2018]*

   a) Rs.15,000   b) Rs.18,000   c) Rs.21,000   d) Rs.14,000

8) A shopkeeper purchased 120 tables at a price of for Rs.110 per table. He sold 30 tables at for Rs.12 per table and 75 tables at a profit of for Rs.14 per table and the remaining tables he sold at a loss of for Rs.7 per table. What is average profit per table? *[Capgemini -2019]*

  a) Rs.9.88   b) Rs.10.88   c) Rs.12.88   d) Rs.13.88

9) Two bicycles were sold for Rs.1188 each, gaining 12% on one and losing 12% on others. The gain or loss percent on the whole transaction is:

  a) 1.2% loss   b) 1.14% profit   c) 1.44% loss   d) No loss no profit

10) The original price of a suit is Rs.200. The price increased 30%, and after this increase, the store published a 30% off coupon for a one-day sale. Given that the consumers who used the coupon on sale day were getting 30% off the increased price, how much did these consumers pay for the suit

  a) Rs.182   b) Rs.191   c) Rs.200   d) Rs.192

11) Azeez bought a scooter for some amount and spent 20% on it for repairs. After the repairs, he sold it for 30% profit. In this process Azeez made a profit of Rs.3600, what was the amount spent on repairs?

  a) Rs.2,700   b) Rs.1,800   c) Rs.2,000   d) Rs.2,400

12) A shopkeeper offers a discount of x% and an additional discount of 10%. After two successive discounts, a customer pays Rs.540 for a T-shirt having the list price of Rs.750. Find the value of x?   **[CAPGEMINI 2019]**

  a) 30 %   b) 10 %   c) 20 %   d) 40 %

13) Two radios were sold for Rs.5600 each, gaining 18% on one and losing 18% on other radio. What is the overall gain or loss percent in the business?

  a) 3.24% loss   b) 3.24% profit   c) 18% loss   d) No loss no profit

14) A shirt is marked at a price to earn 30% of profit after giving a discount of 20% after giving a discount of 20%. What is the percentage by which the shirt is marked over the original price:

  a) 48.56%   b) 66.72%   c) 62.5%   d) 52.4%

15) Sam bought 10 radios for Rs.5000 each. One radio was not sold due to repair and he sold 2 radios at 5% loss. What must be the selling price of the remaining radios to earn an overall profit of 10%? **[CapGemini]**

a) Rs.7500 b) Rs.8500 c) Rs.5500 d) Rs.6500

16) If the cost price of 11 articles is equal to the selling price of 9 articles. What is the gain or loss percentage in the transaction?

a) 20% b) 22.22% c) 32.5% d) 18.18%

17) Amit bought 10 cycles for Rs.1750 each. He sold four cycles for Rs.8400, three for Rs.1900 each. At what price he should sell the remaining cycles so as to earn an average profit of Rs.320 per cycle?

a) Rs.2200 b) Rs.2500 c) Rs.2100 d) Rs.2000

18) The percentage profit earned by selling an item for Rs.1920 is equal to the percentage loss incurred by selling the same item for Rs.1280. At what price should the item be sold to make 25% profit?

a) Rs.3000 b) Rs.2000 c) Rs.2200 d) Data Insufficient

19) Two-thirds of a consignment was sold at a profit of 6% while the rest at a loss of 3%. If there was an over all profit of Rs.1080, the value of the consignment was

a) Rs.25,000 b) Rs.40,000 c) Rs.35,000 d) Rs.36,000

20) An Article costs Rs.5000 and it is marked up 40% by the shopkeeper. A customer walks into the shop and seems really interested in the article. Sensing this, the shopkeeper gets greedy and he raises the markup 40% to 80% and gives a discount of 20% to the customer. How much more/less money would he had made, had he not gotten greedy?

a) Rs.200 more b) Rs.200 less c) Rs.400 more d) Rs.400 less

21) A cost twice as much as B. A is sold at a loss of 10% and B is sold at $7/5^{th}$ of its price. If selling price of A is Rs. 1200 more than selling price of B, what is the cost price of A?

a) Rs.3000 b) Rs.5500 c) Rs.6000 d) Rs.3500

22) Shyam buys 600 laptops at Rs.40,000 per unit from vendor A and buys 500 laptops at Rs. 35,000 per unit from vendor B and then sells all the laptops at Rs 50,000 per unit. What is the profit percentage?

a) 32.5% b) 47.5% c) 57% d) 65%

23) **A fruit merchant buys 15 mangoes at Rs.1.50 each. Two mangoes got rotten. Remaining he sold at Rs.2.25 each. What percent of profit he got in this transaction?**

   a) 28%   b) 33%   c) 30%   d) 32%

24) **A trade person sold two bikes at Rs.55,000 each. One at 22% profit and the other at 22% loss, then what is the overall profit or loss percentage, he made in the transaction?**

   a) 2.2% loss   b) 4.84% profit   c) 4.84% loss   d) No loss no profit

25) **A fruit vendor purchased 10 apples at a price of Rs.40 each. He sold 6 apples at a profit of Rs.5 per apple and 2 apples at a profit of Rs.3 per apple and the remaining apples, he sold at a loss of Rs.10 per apple. What is the average profit per apple?**

   a) Rs.4   b) Rs.4.6   c) Rs.1.6   d) Rs.16

26) **If the cost price of 15 pens is equal to the selling price of 12 pens. What is the gain or loss percentage in the transaction?**

   a) 20% loss   b) 25% profit   c) 20% profit   d) 25% loss

27) **A man spends Rs.176 for buying books at Rs.28 each and pencils at Rs.12 each. How many number of pencils he bought, when maximum number of books he bought?**

   a) 3   b) 1   c) 2   d) 4

28) **A dealer purchases 15 articles for Rs.25 and sells 12 articles for Rs.30. Find the profit percentage?**

   a) 25%   b) 5%   c) 20%   d) 50%

29) **A shopkeeper allows a discount of 25% on a shirt and stills gains a profit of 20% on it. If he made a profit it Rs.300. What is the marked price of the shirt?**

   a) Rs.2800   b) Rs.3000   c) Rs.2400   d) Rs.1600

30) **A shopkeeper sold a machine at 2% profit. Had he bought at 5% less price and sold it for Rs.3600 more, he would have earned 20% on the machine. What is the cost price of the machine?**   **[TCS 2019]**

   a) Rs.28,000   b) Rs.30,000   c) Rs.26,000   d) Rs.18,000

Check the Answers

1	**B**	6	**D**	11	**C**	16	**B**	21	**C**	26	**B**
2	**C**	7	**A**	12	**C**	17	**A**	22	**A**	27	**A**
3	**A**	8	**B**	13	**A**	18	**B**	23	**C**	28	**D**
4	**D**	9	**C**	14	**C**	19	**D**	24	**C**	29	**C**
5	**C**	10	**A**	15	**D**	20	**A**	25	**C**	30	**B**