Percentage

----

1. 20% of a number is 12. Find 35% of the same number.

   A) 18

   B) 19

   C) 20

   D) 21

   Answer: D) 21

2. 30% of a number is 21. What percent of the number is 49?

   A) 50%

   B) 65%

   C) 70%

   D) 72%

   Answer: C) 70%

3. An agent gets a commission of 2.5% on sales. If he gets Rs. 12.50 commission, what is the value of the sales?

   A) Rs. 500

   B) Rs. 1000

   C) Rs. 1250

   D) Rs. 1500

   Answer: A) Rs. 500

4. To a 6L sugar solution containing 25% sugar, 2L water is added. What's the percentage of sugar in the new solution?

   A) 20.83%

   B) 18.75%

   C) 16.67%

   D) 14.58%

   Answer: A) 20.83%
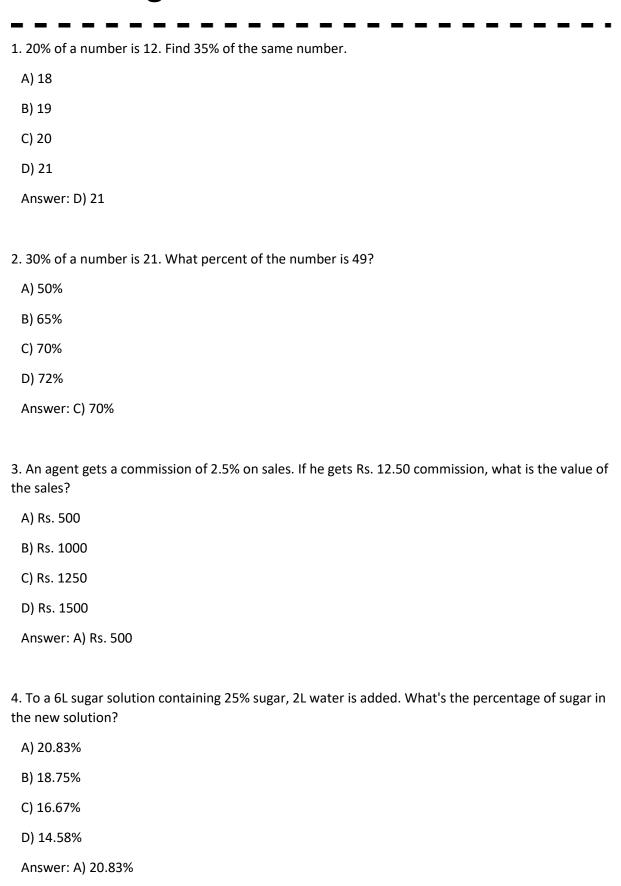
5. In a college of 1800 students, 4% boys and 5% girls are absent on different days, but number of students present is same on both days. Find number of girls.

A) 1000

B) 900

C) 950

D) 800

Answer: C) 950

6. Shopkeeper marks price 20% above cost price and allows 10% discount. His gain percent is:

A) 8%

B) 7%

C) 10%

D) 5%

Answer: A) 8%

7. Price of TV increases by 20%. By what percent must consumption decrease to keep expenditure constant?

A) 16.67%

B) 20%

C) 25%

D) 30%

Answer: A) 16.67%

8. Student scored 60% marks and failed by 10 marks. Passing marks are 40%. What should have been his marks to pass?

A) 25

B) 40

C) 70

D) 50

Answer: D) 50

9. If 40% of a number is 36, find 25% of same number.

   A) 22.5

   B) 18

   C) 15

   D) 20

   Answer: A) 22.5

10. A sum increases by 25% to Rs. 450. Find original amount.

   A) Rs. 350

   B) Rs. 360

   C) Rs. 375

   D) Rs. 380

   Answer: C) Rs. 375

11. Price decreased by 10% and then increased by 20%. Net effect on price?

   A) 8% increase

   B) 10% increase

   C) 5% increase

   D) 12% increase

   Answer: A) 8% increase

12. Article bought for Rs. 120 and sold at 10% profit. Selling price?

   A) Rs. 132

   B) Rs. 130

   C) Rs. 145

   D) Rs. 135

   Answer: A) Rs. 132

13. Price increased 50% then decreased 25%. Net effect?

   A) 12.5% gain

   B) 5% gain

C) 10% gain

D) 15% loss

Answer: A) 12.5% gain

14. Shirt costs Rs. 250 after 20% discount. Marked price?

A) Rs. 312.5

B) Rs. 300

C) Rs. 315

D) Rs. 290

Answer: A) Rs. 312.5

15. Salary increased 20%, then 30%. Total increase?

A) 50%

B) 56%

C) 40%

D) 60%

Answer: B) 56%

16. Sold at 5% loss for Rs. 1900. Cost price?

A) Rs. 2000

B) Rs. 1800

C) Rs. 1950

D) Rs. 1850

Answer: A) Rs. 2000

17. 60% students passed exam. Number passed 480. Total students?

A) 750

B) 800

C) 700

D) 720

Answer: B) 800

18. Price decreased 10%, then decreased 20%. Overall decrease?

   A) 30%

   B) 28%

   C) 25%

   D) 18%

   Answer: B) 28%

19. Sold for Rs. 6500 at 30% profit. Cost price?

   A) Rs. 5000

   B) Rs. 5500

   C) Rs. 6000

   D) Rs. 4800

   Answer: A) Rs. 5000

20. Sold at 20% discount on marked Rs. 1500. Selling price?

   A) Rs. 1200

   B) Rs. 1300

   C) Rs. 1150

   D) Rs. 1100

   Answer: A) Rs. 1200

21. What percent is 15 of 60?

   A) 20%

   B) 25%

   C) 30%

   D) 15%

   Answer: B) 25%

22. 20% of number is 36. Find number.

   A) 180

B) 178

C) 170

D) 185

Answer: A) 180

23. Loose 3% when selling article Rs. 1452. Cost price?

A) Rs. 1500

B) Rs. 1520

C) Rs. 1560

D) Rs. 1600

Answer: A) Rs. 1500

24. Gain 12% selling bicycle Rs. 3136. Cost price?

A) Rs. 2800

B) Rs. 2780

C) Rs. 2700

D) Rs. 2750

Answer: A) Rs. 2800

25. Two discounts 10% and 20%, final price Rs. 180. Marked price?

A) Rs. 250

B) Rs. 265

C) Rs. 270

D) Rs. 280

Answer: A) Rs. 250

26. Sold Rs. 240 at 20% profit. Cost price?

A) Rs. 200

B) Rs. 190

C) Rs. 180

D) Rs. 210

Answer: A) Rs. 200

27. Marked price 25% above cost. Discount 10%. Cost Rs. 400. Find marked price.

   A) Rs. 600

   B) Rs. 550

   C) Rs. 625

   D) Rs. 500

   Answer: A) Rs. 600

28. Number increased 25% to 150. Original number?

   A) 120

   B) 125

   C) 110

   D) 115

   Answer: A) 120

29. 60% of buyer price Rs. 75. Find buyer price.

   A) Rs. 125

   B) Rs. 100

   C) Rs. 150

   D) Rs. 115

   Answer: A) Rs. 125

30. Cost Rs. 500, marked Rs. 600, discount 10%. Find profit.

   A) Rs. 40

   B) Rs. 50

   C) Rs. 60

   D) Rs. 54

   Answer: A) Rs. 40

31. Cost Rs. 1050, sold at 20% loss. Selling price?

A) Rs. 840

B) Rs. 850

C) Rs. 820

D) Rs. 860

Answer: A) Rs. 840

32. Sold at Rs. 1620 with 20% profit. Cost price?

A) Rs. 1350

B) Rs. 1300

C) Rs. 1250

D) Rs. 1400

Answer: A) Rs. 1350

33. Price increased 20% then decreased 10%. Net gain or loss?

A) 8% gain

B) 2% gain

C) 5% loss

D) 0% no change

Answer: A) 8% gain

34. Milkman mixes water 20% in milk price Rs. 40 per litre and sells mixture at Rs. 42 per litre. Profit %?

A) 12.5%

B) 10%

C) 15%

D) 20%

Answer: A) 12.5%

35. Sugar price increased 5%. What percent consumption reduction to keep expenditure same?

A) 4.76%

B) 5%

C) 6%

D) 4.5%

Answer: A) 4.76%

36. Rs. 1500 is 120% of number. Find the number.

A) 1250

B) 1300

C) 1350

D) 1200

Answer: A) 1250

37. Traffic increased 20%; population increased 15%. Find percent increase in cars.

A) 35%

B) 20%

C) 50%

D) 45%

Answer: A) 35%

38. Population increases 50%. Percent increase in density?

A) 50%

B) 75%

C) 100%

D) 150%

Answer: A) 50%

39. Loss of 15% on selling price Rs. 850. Cost price?

A) Rs. 1000

B) Rs. 1100

C) Rs. 1150

D) Rs. 1120

Answer: A) Rs. 1000

40. Price Rs. 400. Discount 10%. Gain 5%. Find marked price?

   A) Rs. 550

   B) Rs. 600

   C) Rs. 580

   D) Rs. 500

   Answer: B) Rs. 600

41. Selling price Rs. 1440, loss 10%. Cost price?

   A) Rs. 1600

   B) Rs. 1500

   C) Rs. 1450

   D) Rs. 1480

   Answer: A) Rs. 1600

42. Marked price 25% above cost. Profit 5% after 20% discount. Find cost answer.

   A) Rs. 480

   B) Rs. 460

   C) Rs. 500

   D) Rs. 470

   Answer: C) Rs. 500

43. Price increased 15% then decreased 15%. Net change?

   A) 2.25% decrease

   B) No change

   C) 15% decrease

   D) 15% increase

   Answer: A) 2.25% decrease

44. Article cost Rs. 500, discount 10%, profit 5%. Find selling price?
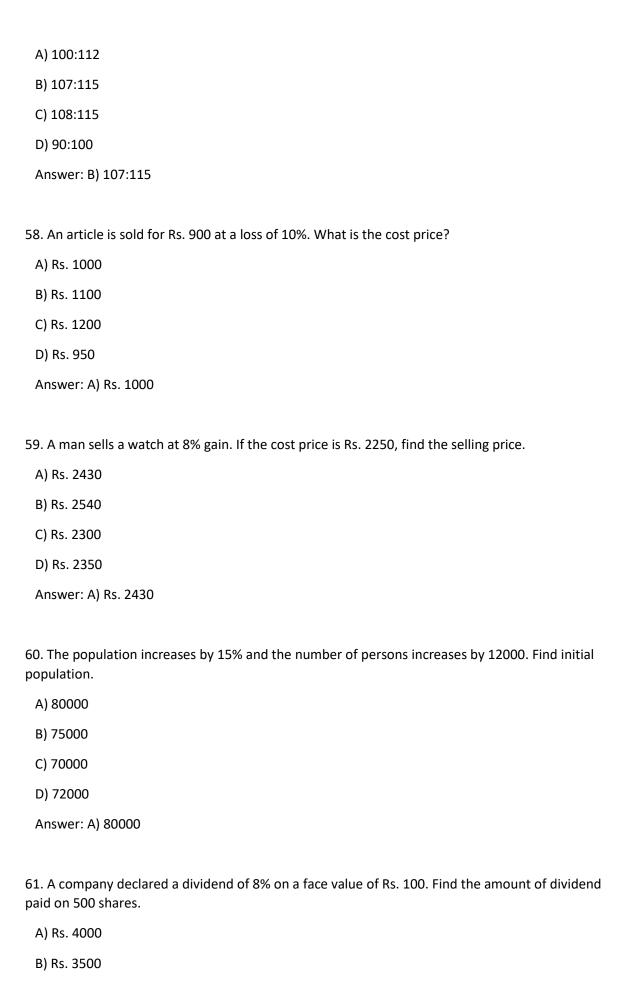
   A) Rs. 525

B) Rs. 530

C) Rs. 520

D) Rs. 515

Answer: A) Rs. 525

45. A shopkeeper offers 12% discount and gains 12%, find marked price on product costing Rs. 750.

   A) Rs. 900

   B) Rs. 850

   C) Rs. 920

   D) Rs. 880

   Answer: A) Rs. 900

46. Price decreased by 20%, increased by 30%. Net price change?

   A) 4% increase

   B) 3% decrease

   C) 2% increase

   D) 5% increase

   Answer: A) 4% increase

47. Sold at 10% discount on price marked 50% above cost. What's profit percent?

   A) 5%

   B) 10%

   C) 12%

   D) 7%

   Answer: A) 5%

48. Cost Rs. 500, sold at Rs. 600. Profit percent?

   A) 20%

   B) 15%

   C) 25%

   D) 18%

Answer: A) 20%

49. Cost price decreases 10%, selling price decreases 20%. Effect on profit?

A) 10% decrease

B) 5% increase

C) 5% decrease

D) 15% increase

Answer: D) 15% increase

50. A number increases by 10% then decreases by 10%. Net change?

A) no change

B) 0.5% decrease

C) 0.5% increase

D) 1% decrease

Answer: B) 0.5% decrease

51. A man invested Rs. 20000 at 5% simple interest for 2 years. Find total interest.

A) Rs. 2000

B) Rs. 1000

C) Rs. 1500

D) Rs. 2500

Answer: A) Rs. 2000

52. If a shopkeeper gives 15% discount on a product but still makes 20% profit, what is his marked price if cost price Rs. 600?

A) Rs. 833.33

B) Rs. 900

C) Rs. 750

D) Rs. 800

Answer: A) Rs. 833.33

53. The price of a commodity is increased by 30% and then decreased by 20%. What is the net percentage change?

  A) 4% increase

  B) 4% decrease

  C) 12% increase

  D) 12% decrease

  Answer: A) 4% increase

54. A man loses 12% by selling an article. Find the selling price if the cost price is Rs. 500.

  A) Rs. 440

  B) Rs. 460

  C) Rs. 480

  D) Rs. 490

  Answer: A) Rs. 440

55. A shopkeeper marks a price 25% above cost price and offers a discount of 10%. Find his profit percentage.

  A) 12.5%

  B) 15%

  C) 10%

  D) 7.5%

  Answer: A) 12.5%

56. The price of a TV is Rs. 35000 with 15% GST. What is the price excluding GST?

  A) Rs. 30434.78

  B) Rs. 31000

  C) Rs. 30000

  D) Rs. 32000

  Answer: A) Rs. 30434.78

57. A trader sells an item at 5% discount on the marked price. If a profit of 12% is made, find the ratio of cost price to marked price.

A) 100:112

B) 107:115

C) 108:115

D) 90:100

Answer: B) 107:115

58. An article is sold for Rs. 900 at a loss of 10%. What is the cost price?

A) Rs. 1000

B) Rs. 1100

C) Rs. 1200

D) Rs. 950

Answer: A) Rs. 1000

59. A man sells a watch at 8% gain. If the cost price is Rs. 2250, find the selling price.

A) Rs. 2430

B) Rs. 2540

C) Rs. 2300

D) Rs. 2350

Answer: A) Rs. 2430

60. The population increases by 15% and the number of persons increases by 12000. Find initial population.

A) 80000

B) 75000

C) 70000

D) 72000

Answer: A) 80000

61. A company declared a dividend of 8% on a face value of Rs. 100. Find the amount of dividend paid on 500 shares.

A) Rs. 4000

B) Rs. 3500
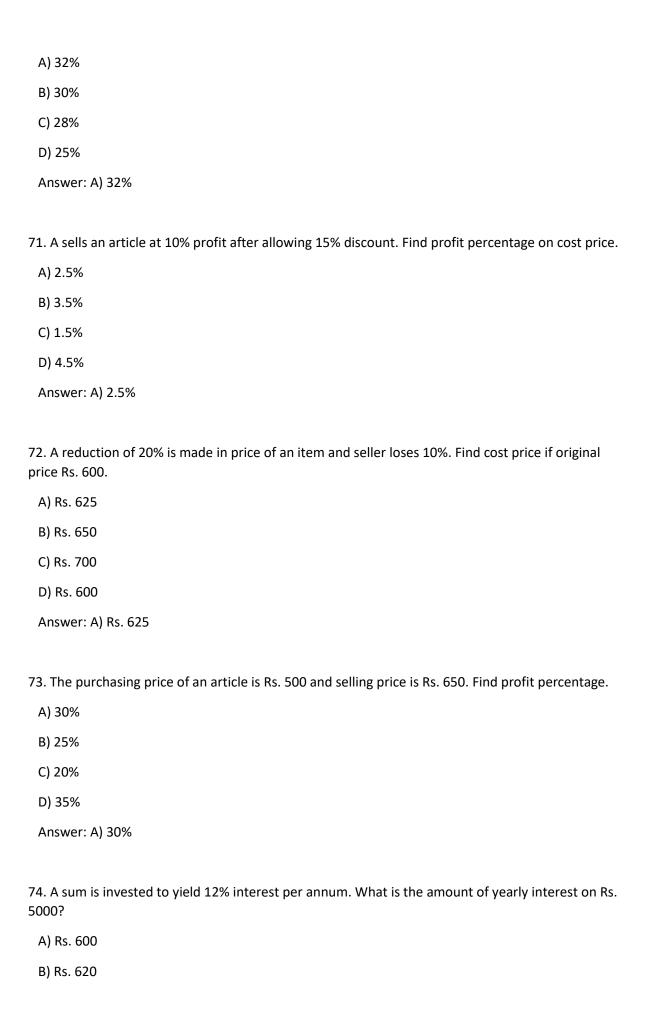
C) Rs. 3000

D) Rs. 4500

Answer: A) Rs. 4000

62. Price after increase is Rs. 448, increasing by 12%. Find original price.

A) Rs. 400

B) Rs. 420

C) Rs. 430

D) Rs. 410

Answer: A) Rs. 400

63. A trader sells an article for Rs. 1000 at 10% discount on the marked price. Find marked price.

A) Rs. 1111

B) Rs. 1100

C) Rs. 1050

D) Rs. 1200

Answer: A) Rs. 1111

64. The price of a commodity decreases by 25%. What percent must it be increased to restore original price?

A) 33.33%

B) 25%

C) 30%

D) 20%

Answer: A) 33.33%

65. A shopkeeper gains 20% by selling a product at Rs. 84. Find cost price.

A) Rs. 70

B) Rs. 75

C) Rs. 80

D) Rs. 72

Answer: A) Rs. 70

66. The price of a TV increases from Rs. 25800 to Rs. 32600. Find the percentage increase.

  A) 26.35%

  B) 20%

  C) 25%

  D) 22.5%

  Answer: C) 25%

67. A student scored 432 out of 600 marks. What is the percentage?

  A) 72%

  B) 70%

  C) 75%

  D) 78%

  Answer: A) 72%

68. The population of a town decreases from 75000 to 60000 in 3 years. Find percentage decrease.

  A) 20%

  B) 25%

  C) 22%

  D) 30%

  Answer: A) 20%

69. GST at 18% is added to an article price Rs. 5000. Find GST amount.

  A) Rs. 900

  B) Rs. 800

  C) Rs. 750

  D) Rs. 850

  Answer: A) Rs. 900

70. A number is increased by 10% and then by 20%. Find total percentage increase.

A) 32%

B) 30%

C) 28%

D) 25%

Answer: A) 32%

71. A sells an article at 10% profit after allowing 15% discount. Find profit percentage on cost price.

A) 2.5%

B) 3.5%

C) 1.5%

D) 4.5%

Answer: A) 2.5%

72. A reduction of 20% is made in price of an item and seller loses 10%. Find cost price if original price Rs. 600.

A) Rs. 625

B) Rs. 650

C) Rs. 700

D) Rs. 600

Answer: A) Rs. 625

73. The purchasing price of an article is Rs. 500 and selling price is Rs. 650. Find profit percentage.

A) 30%

B) 25%

C) 20%

D) 35%

Answer: A) 30%

74. A sum is invested to yield 12% interest per annum. What is the amount of yearly interest on Rs. 5000?

A) Rs. 600

B) Rs. 620

C) Rs. 650

D) Rs. 590

Answer: A) Rs. 600

75. The sale price of a product is Rs. 1800 after 10% discount. What is the marked price?

A) Rs. 2000

B) Rs. 1900

C) Rs. 2100

D) Rs. 2300

Answer: A) Rs. 2000

76. A price was decreased by 15% and then increased by 20%. Find net change in price.

A) 2% increase

B) 4% increase

C) 3% decrease

D) 5% increase

Answer: B) 4% increase

77. A profit of 10% is made on cost price. If cost price is Rs. 1800, find selling price.

A) Rs. 1980

B) Rs. 1950

C) Rs. 2000

D) Rs. 1850

Answer: A) Rs. 1980

78. The cost of a commodity is Rs. 720 and it is sold at a loss of 20%. Find selling price.

A) Rs. 576

B) Rs. 580

C) Rs. 600

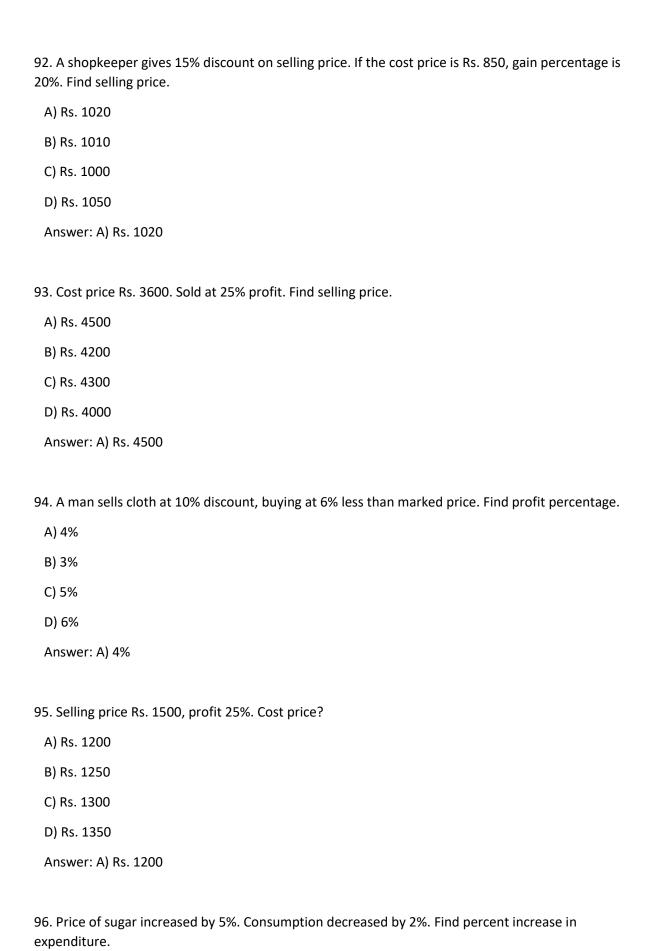D) Rs. 590

Answer: A) Rs. 576

79. A bag contains 40 kg rice, with 30% broken. Find the quantity of good rice?

A) 28 kg

B) 30 kg

C) 25 kg

D) 26 kg

Answer: A) 28 kg

80. A price increases 15% and then decreases 10%. Find net change in price.

A) 3.5% increase

B) 4% increase

C) 5% decrease

D) 2.5% increase

Answer: A) 3.5% increase

81. The price of an item increased from Rs. 450 to Rs. 550. Find percentage increase.

A) 22.22%

B) 20%

C) 25%

D) 18%

Answer: A) 22.22%

82. Original price of an item was Rs. 1200. After increase of 10%, find new price.

A) Rs. 1320

B) Rs. 1300

C) Rs. 1350

D) Rs. 1400

Answer: A) Rs. 1320

83. A man sells an article for Rs. 6000 at 20% profit. Find cost price.

A) Rs. 5000

B) Rs. 4800

C) Rs. 5200

D) Rs. 5500

Answer: A) Rs. 5000

84. The price of a jacket was Rs. 4000. After discount of 10%, selling price is?

A) Rs. 3600

B) Rs. 3500

C) Rs. 3750

D) Rs. 3800

Answer: A) Rs. 3600

85. A price is increased by 20% and then decreased by 20%. What is the net change?

A) 4% decrease

B) 3% increase

C) No change

D) 5% increase

Answer: A) 4% decrease

86. Cloth cost Rs. 500 per meter. 20% of it is damaged. Find effective cost per meter of usable cloth.

A) Rs. 625

B) Rs. 600

C) Rs. 550

D) Rs. 625

Answer: A) Rs. 625

87. A trader lost 12% by selling an article at Rs. 1840. Find cost price.

A) Rs. 2100

B) Rs. 2080

C) Rs. 2050

D) Rs. 2000

Answer: A) Rs. 2100

88. The price of rice increased by 12%. How much should be decrease in consumption to keep expenditure same?

A) 10.7%

B) 10%

C) 15%

D) 12%

Answer: A) 10.7%

89. A trader sells shirt at 20% discount on marked price and gains 20%. Marked price is Rs. 2400. Cost price is?

A) Rs. 2000

B) Rs. 2100

C) Rs. 2200

D) Rs. 2300

Answer: A) Rs. 2000

90. Price of an article is Rs. 3000. It is sold at 12% loss. Find selling price.

A) Rs. 2640

B) Rs. 2680

C) Rs. 2700

D) Rs. 2800

Answer: A) Rs. 2640

91. Price of an article was Rs. 4000. It was sold with discount of 15%, and shopkeeper suffered loss of 2%. Find marked price.

A) Rs. 4500

B) Rs. 5000

C) Rs. 5200

D) Rs. 4700

Answer: B) Rs. 5000

92. A shopkeeper gives 15% discount on selling price. If the cost price is Rs. 850, gain percentage is 20%. Find selling price.

   A) Rs. 1020

   B) Rs. 1010

   C) Rs. 1000

   D) Rs. 1050

   Answer: A) Rs. 1020

93. Cost price Rs. 3600. Sold at 25% profit. Find selling price.

   A) Rs. 4500

   B) Rs. 4200

   C) Rs. 4300

   D) Rs. 4000

   Answer: A) Rs. 4500

94. A man sells cloth at 10% discount, buying at 6% less than marked price. Find profit percentage.

   A) 4%

   B) 3%

   C) 5%

   D) 6%

   Answer: A) 4%

95. Selling price Rs. 1500, profit 25%. Cost price?

   A) Rs. 1200

   B) Rs. 1250

   C) Rs. 1300

   D) Rs. 1350

   Answer: A) Rs. 1200

96. Price of sugar increased by 5%. Consumption decreased by 2%. Find percent increase in expenditure.

A) 2.9%

B) 3%

C) 4%

D) 2%

Answer: A) 2.9%

97. A shopkeeper makes 12% profit selling at marked price. He marks price 20% above cost. Find percent discount given.

A) 4.2%

B) 3.5%

C) 5%

D) 6%

Answer: A) 4.2%

98. Cost price Rs. 1800. Sold at 15% loss. Find selling price.

A) Rs. 1530

B) Rs. 1550

C) Rs. 1500

D) Rs. 1620

Answer: A) Rs. 1530

99. A person sells a watch for Rs. 560, losing 20%. What's the cost price?

A) Rs. 700

B) Rs. 650

C) Rs. 600

D) Rs. 750

Answer: A) Rs. 700

100. The price of a product is Rs. 1200 after increasing by 20%. Find original price.

A) Rs. 1000

B) Rs. 900

C) Rs. 950

D) Rs. 1050

Answer: A) Rs. 1000