

PERCENTAGE MCQ

Q 1. The difference between two numbers is 1550. If 8 % of one number is 10 % of the other number, then find the two numbers

- a. 4973, 6523
- b. 5450, 7000
- c. 6200, 7750
- d. 6500, 4950

Correct Option: (c)

Q 2. Two numbers P and Q are such that, the sum of 2 % of P and Sum of 2 % of Q is two-third of the sum of 2 % of P and 6 % of Q. Find the ratio of P and Q.

- a. 2 : 5
- b. 3 : 1
- c. 1 : 4
- d. 5 : 1

Correct Option: (b)

Q 3. 50 % of a number is 18 less than two-third of that number. Find the number.

- a. 123
- b. 119
- c. 115
- d. 108

Correct Option: (d)

Q 4. When 35 is subtracted from a number; it reduces to its 80 %. Find the four-fifth of that

number.

a. 140

b. 125

c. 137

d. 129

Correct Option: (a)

Q 5. The value of lathe machine depreciates at the rate of 10 % per annum. If the cost of machine at present is Rs. 160,000, then what will be its worth after 2 years?

a. Rs. 122,365

b. Rs. 153,680

c. Rs. 129,600

d. Rs. 119,900

Correct Option: (c)

Q 6. The value of Xerox machine depreciates at the rate of 10 % per annum. If the cost of machine at present is Rs. 75,000 then what was the value of machine before 2 years?

a. Rs. 90,000

b. Rs. 92,600

c. Rs. 93,800

d. Rs. 95,000

Correct Option: (b)

Q 7. The current birth rate per thousand is 30, whereas corresponding death rate is 10 per thousand. Find the net growth rate in terms of population increase in percent.

a. 1.5 %

b. 2 %

c. 2.5 %

d. 3 %

Correct Option: (b)

Q 8. The total population of a city is 6500. The number of males and females increases by 5 % and 10 % respectively and consequently the population becomes 7000. Find the number of males in the village.

a. 4000

b. 3000

c. 3500

d. 2950

Correct Option: (b)

Q 9. The present population of a country is 10 crores. If it rises to 17.28 crores during next 3 years, then find uniform rate of growth in population.

a. 20 %

b. 30 %

c. 40 %

d. 60 %

Correct Option: (a)

Q 10. The population of different trees in a field increased by 10 % in first year, increased by 8 % in second year and decreased by 10 % in third year. If at present the number of trees is 26730, then find the number of trees in the beginning.

a. 30000

b. 25000

c. 27000

d. 27865

Correct Option: (b)

Q 11. The price of diesel increases by 50 %. Find by how much percent a truck owner must reduce his consumption in order to maintain the same budget?

- a. 11.11 %
- b. 22.22 %
- c. 33.33 %
- d. 44.44 %

Correct Option: (c)

Q 12. The price of rice falls by 15 %. By what percentage a person can increase the consumption of rice so that his overall budget does not change?

- a. 10.74 %
- b. 17.64 %
- c. 20.46 %
- d. 21.90 %

Correct Option: (b)

Q 13. In an examination, P scored 30 % marks and failed by 15 marks. Q scored 40 % marks and obtained 35 marks more than those required to pass. Find the pass percentage.

- a. 30 %
- b. 33 %
- c. 35 %
- d. 40 %

Correct Option: (b)

Q 14. In a science examination, the average obtained by entire class was 80 marks. If 10 % of

students scored 92 marks and 20 % of students scored 90 marks, then what was the average of remaining students?

- a. 65.32
- b. 70.56
- c. 75.43
- d. 77.96

Correct Option: (c)

Q 15. A student attempts x number of questions. He answers 15 correctly out of first 20 questions and of the remaining questions, he answers $\frac{1}{3}$ correctly. If all questions have same credit and the student gets 50 % marks, then find the value of x.

- a. 30
- b. 35
- c. 45
- d. 50

Correct Option: (d)

Q 16. A shopkeeper sells an article for Rs. 200 with a loss of Rs. 20 %. Find the cost price of the article.

- a. 220
- b. 250
- c. 280
- d. 260

Correct Option: (b)

Q 17. A trader expects a gain of 15 % on his cost price. If in a week his sale is of Rs. 580, then what is his profit?

- a. 75.65

b. 73.26

c. 72.50

d. 70.78

Correct Option: (a)

Q 18. If a boy sells a book for Rs. 450 he gets a loss of 10 %, then find cost price. To gain 10 %, what should be the selling price?

a. 400, 500

b. 550, 600

c. 500, 550

d. 475, 525

Correct Option: (c)

Q 19. A merchant sells 30 metres of cloth and gains selling price of 10 metres. Find the gain percent.

a. 15 %

b. 25 %

c. 50 %

d. 75%

Correct Option: (c)

Q 20. S.P. of 10 candles is same as C.P. of 12 candles. Find the gain percent.

a. 11 %

b. 15 %

c. 20 %

d. 25 %

Correct Option : (c)

Q 21. The selling price of 40 apples is equal to cost price of 35 apples. Find the profit or loss obtained.

- a. Gain of 5.5 %
- b. Gain of 12.5 %
- c. Loss of 5.5 %
- d. Loss of 12.5 %

Correct Option: (d)

Q 22. A man purchased two plots for Rs. 5,00,000. On one he gains 15 % while on the other he losses 15%. Find how much does he gain or lose in the transaction.

- a. 1.5 %
- b. 2 %
- c. 2.25 %
- d. 2.50 %

Correct Option: (c)

Q 23. A boy bought camel and carriage for Rs. 5000. He sells the camel at a gain of 20% and the carriage at a loss of 10%. If he gains 3% on the whole, then find the cost of the camel.

- a. 2170
- b. 2400
- c. 2315
- d. 2600

Correct Option: (a)

Q 24. A man sells one camera A for Rs. 7500 at a gain of 20% and another camera B for Rs. 8550 at a loss of 5 %. Find his total loss or gain%.

- a. 2.7 %
- b. 5.2 %
- c. 4.2 %
- d. 5.1 %

Correct Option: (b)

Q 25. A shopkeeper sells his goods at cost price but uses a weight of 970 grams for a kg. weight. What is his gain percent?

- a. 5.08 %
- b. 4.23 %
- c. 3.26 %
- d. 3.09 %

Correct Option: (d)

Q 26. A dishonest shopkeeper sells his grocery using weights 10 % less than true weights and makes a profit of 30 %. Find his total gain percentage.

- a. 49.4 %
- b. 44.44 %
- c. 55.55 %
- d. 39.88 %

Correct Option: (b)

Q 27. After two successive discounts, a tie with a list price of Rs. 120 is available at Rs. 90. If second discount is 9 %, what is the first discount?

- a. 15.23 %
- b. 13.26 %
- c. 17.58 %

d. 18.53 %

Correct Option: (c)

Q 28. Find the single discount equivalent to a series discount of 30 %, 20 % and 10 %.

a. 48.3 %

b. 49.6 %

c. 38.21 %

d. 33.33 %

Correct Option: (b)

Q 29. A dealer marks price of all the goods at 30 % above the cost price and assumes that he will make a profit of 15 % if he offers a discount of 15%. Find what will be his actual profit on sales?

a. 15 %

b. 30 %

c. 12.50 %

d. 10.50 %

Correct Option: (d)

Q 30. A manufacturer sells a pair shoes to a wholesale dealer at a profit of 20 %. Wholesaler sells them to retailer at a profit of 25 %. The shoes are again sold to the customer for Rs. 50.50, thereby earning a profit of 30 %. Find the cost price of manufacturer.

a. Rs. 20.36

b. Rs. 22.90

c. Rs. 25.89

d. Rs. 30.50

Correct Option: (c)