

QUANTITATIVE TOPIC WISE EXAM (PERCENTAGE)

1. The difference between 20% of a number and $\frac{4}{5}$ th of the same number is 2499. What is $\frac{2}{7}$ th of that number ?

- A. 2156
- B. 1190
- C. 1090
- D. 1465
- E. None of these

2. If the numerator of a fraction is increased by 300% and the denominator is increased by 200%, the resultant fraction is $\frac{4}{15}$. What is the original fraction ?

- A. $\frac{3}{5}$
- B. $\frac{4}{5}$
- C. $\frac{2}{5}$
- D. $\frac{1}{5}$
- E. None of these

3. Kajal spends 55% of her monthly income on grocery, clothes and education in the ratio of 4 : 2 : 5 respectively. If the amount spent on clothes is Rs. 5,540. What is Kajal's monthly income ?

- A. Rs. 55,400
- B. Rs. 54,500
- C. Rs. 55,450
- D. Rs. 55,650
- E. None of these

4. 35 percent of a number is two times 75 percent of another number. What is the ratio between the first and the second numbers respectively ?

- A. 35 : 6
- B. 31 : 1
- C. 23 : 7
- D. 32 : 9
- E. None of these

5. Last year there were 610 boys in a school. The number decreased by 20 percent this year. How many girls are there in the school if the number of girls is 175 percent of the total number of boys in the school this year ?

- A. 854
- B. 848
- C. 798
- D. 782
- E. None of these

6. The salary of Anup is 30% more than that of Barun. Find by what percentage is the salary of Barun less than that of Anup ?

- A. 26.12%
- B. 21.23%
- C. 23.07%
- D. 27.03%
- E. None of these

7. Akash scored 73 marks in subject A. He scored 56% marks in subject B and x marks in subject C. Maximum marks in each subject were 150. The overall percentage marks obtained by Akash in all the three subjects together were 54%. How many marks did he score in subject C ?

- A. 84
- B. 86
- C. 79
- D. 73
- E. None of these

8. What value will you obtain if twenty five percent of 2340 is subtracted from four-ninth of square of 36 ?

- A. 9
- B. -18
- C. 18
- D. -9

E. 3

9. In a class of 35 students and 6 teachers, each student got sweets that are 20% of the total number of students and each teacher got sweets that are 40% of the total number of students. How many sweets were there?

- A. 245
- B. 161
- C. 406
- D. 84
- E. None of these

10. Prithvi spent Rs. 89,745 on his college fees, Rs. 51,291 on Personality Development Classes and the remaining 27% of the total amount he had as cash with him. What was the total amount ?

- A. Rs. 1,85,400
- B. Rs. 1,89,600
- C. Rs. 1,91,800
- D. Rs. 1,93,200
- E. None of these

11. Kamala got married six years ago and her present age is $1\frac{1}{4}$ times her age at the time of her marriage. Age of her son is 10% of her present age. What is her son's age ?

- A. 3 years
- B. 4 years
- C. 2 years
- D. 5 years
- E. None of these

12. A's salary is 50% more than that of B's. How much percent is B's salary less than A's?

- A. $33\frac{1}{4}\%$
- B. $33\frac{1}{3}\%$
- C. $33\frac{1}{2}\%$
- D. 33%
- E. None of these

13. If increasing 20 by P percentage gives the same result as decreasing 60 by P percentage, what is P percentage of 70?

- A. 50
- B. 140
- C. 14
- D. 35
- E. None of these

14. Tirupati sells a calculator to Ashokan. Ashokan, offered him a sum of money for which he refused as being 13% below the value of the calculator. Ashokan then offered him Rs. 45 more and the second offer was 5% more than the estimated value. The value of the calculator is

- A. Rs. 450
- B. Rs. 225
- C. Rs. 250
- D. Rs. 500
- E. None of these

15. Sivaram regularly saves 60% of his monthly salary. On account of a rise in price he has to increase his monthly expenses by 20%. Now he is able to save Rs. 10,400 per month. What is his monthly salary ?

- A. Rs. 15,000
- B. Rs. 30,000
- C. Rs. 20,000
- D. Rs. 25,000
- E. None of these

16. A conductor pays 25% more to a male worker than what he pays to the female worker. How much percent less does the conductor pay to the female worker than the male worker ?

- A. 15%
- B. 20%
- C. 25%
- D. 10%
- E. None of these

17.The mean annual salary paid to all employees of company was Rs. 8,000. The mean annual salaries paid to male and female employees were Rs. 7,000 and Rs. 12,000 respectively. What is the percentage of male workers in the company ?

- A. 80%
- B. 20%
- C. 60%
- D. 50%
- E. None of these

18.The length of the rectangular field is increased by 25%. By what percent must the width be reduced so that the area in each case remains the same ?

- A. 15%
- B. 17%
- C. 18%
- D. 20%
- E. None of these

19.Hari had three note books X, Y, Z. of these, X had 120 pages less. Y had 10% more pages and Z had 10% less pages. If he tore roughly 5 %, 10% and 15% of pages in X, Y and Z respectively, then what percent of pages did he tear out?

- A. 8%
- B. 10%
- C. 7%
- D. 13%
- E. None of these

20.Due to an increase of 15% in price of milk, a family reduces its consumption of milk by 15%. What is the effect in the expenditure of the family on account of milk ?

- A. 3% decrease
- B. 2.25% decrease
- C. 2.50% increase
- D. 3.5% decrease
- E. None of these

21Ratan bought a car at a discount of 16.67% on listed price from an automobile company. If the listed price of the car is Rs. 6, 60, 000, then find the amount of discount.

- A. Rs. 1,10,000
- B. Rs. 1,00,000
- C. Rs. 1,01,000
- D. Rs. 1,25,000
- E. None of these

22.Two candidates contested in an election. If one got 520 votes which was 65% of votes, then what was the total number of votes?

- A. 858
- B. 702
- C. 780
- D. 754
- E. None of these

23.In an election between two candidates, one got 52% of the valid votes. 25% of the total votes were invalid. The total number of votes were 8400. How many valid votes did the other person get?

- A. 3276
- B. 3196
- C. 3024
- D. Cannot be determined
- E. None of these

24.A student scores 55% marks in 8 papers of 100 marks each. He scores 15% of his total marks in English. How much does he score in English?

- A. 55
- B. 66
- C. 77
- D. 44
- E. None of these

25.A student has to secure a minimum 35% marks to pass in an examination. If he gets 200 marks and fails by 10 marks, then the maximum marks are:

- A. 300
- B. 400
- C. 500
- D. 600
- E. None of these

26.A's salary is 50% more than that of B. How much % is B's salary less than A?

- A. 50
- B. $33\frac{1}{3}$
- C. 45
- D. $66\frac{2}{3}$
- E. None of these

27.What percent decrease in salaries would exactly cancel out 20% increase?

- A. 20
- B. $16\frac{2}{3}$
- C. $33\frac{1}{3}$
- D. 18
- E. None of these

28.The price of a car is first increased by 10% & then decreased by 15%. What is the net percentage change in price of the car ? Also find the new price if the price was initially Rs. 2,40,000.

- A. Rs. 2,48,000
- B. Rs. 2,24,000
- C. Rs. 2,42,000
- D. Cannot be determined
- E. None of these

29.What will be the net% change in salary of Abha if it is first decreased by 25% and then increased by 30%.

- A. $-\frac{5}{2}$ %
- B. $\frac{5}{2}$ %
- C. $\frac{2}{5}$ %
- D. $\frac{6}{5}$ %
- E. None of these

30.The cost of manufacturing one unit of an article goes up by 2% in 1992 and 5% in 1993. Find the net % increase in the cost till 1993. Also find the cost in 1993, if it was Rs. 500, in 1992 (before increase).

- A. Rs. 535. 5
- B. Rs. 535
- C. Rs. 500
- D. Cannot be determined
- E. None of these

31.The difference between 45% of a number and 25% of the same number is 16, what is 7.5% of that number?

- A. 12
- B. 9
- C. 7
- D. 6
- E. None of these

32.If 12% of 75% is greater than 5% of a number by 75, the number is

- A. 1875
- B. 1890
- C. 1845
- D. 1860
- E. None of these

33. If 50% of a number is added to 50, the result is the number itself, then the number is

- A. 60
- B. 80
- C. 40
- D. 100
- E. 90

34. A number on subtracting 14 from it, reduces to 90% of the same number. What is the number?

- A. 145
- B. 134
- C. 140
- D. 118
- E. 110

35. A number decreased by 25% gives 10.8. the number is

- A. 19.6
- B. 18.5
- C. 17.4
- D. 16.3
- E. 14.4

36. The total number of students in a school is 5600 out of which 60% are boys, what is the total number of girls in this school?

- A. 2240
- B. 3360
- C. 2860
- D. 3240
- E. None of these

37. If a man after spending 85% of the income he saves Rs. 4560 per month, his monthly income is

- A. Rs. 32800
- B. Rs. 31600
- C. Rs. 30400
- D. Rs. 29600
- E. None of these

38. In a class of 60 students and 6 teachers, each student got sweets that are 20% of the total number of students and each teacher got sweets that are 25% of the total number of students. How many sweets were there?

- A. 875
- B. 840
- C. 810
- D. 860
- E. 895

39. Pradeep invested 20% more than Mohit. Mohit invested 10% less than Raghu. If the total sum of their investment is Rs.17880, How much amount did Raghu invest?

- A. Rs.6000
- B. Rs. 8000
- C. Rs. 7000
- D. Rs. 5000
- E. None of these

40. Puneet scored 175 marks in a test and failed by 35 marks. If the passing percentage of the test is 35%, what are the maximum marks of the test?

- A. 650
- B. 700
- C. 750
- D. 600
- E. None of these

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