

## PERCENTAGE

1. What is 5% of 50% of 500?  
a) 12.5                      b) 25                      c) 1.25                      e) 6.25
2. If 20% of  $x = 90$ . Find  $x$ .  
a) 350                      b) 450                      c) 250                      d) 550                      e) None of the above
3.  $89\%$  of ? + 365 = 1075.22  
a) 798                      b) 897                      c) 898                      d) 752                      e) None of the above
4. 50kg is what per cent of 250 kg?  
a) 26%                      b) 15%                      c) 20%                      d) 18%                      e) None of the above
5. What is 32% of  $\frac{3}{8}$  th of 5000?  
a) 606                      b) 610                      c) 580                      d) 600                      e) None of the above.
6. 12 of 26% of  $\frac{5}{78}$  of 38% of  $\frac{7}{152}$  of 10000=?  
a) 38                      b) 35                      c) 41                      d) 52                      e) None of the above
7. A number increased by  $137\frac{1}{2}\%$  and the increment is 33. The number is  $\pm$   
a) 27                      b) 22                      c) 24                      d) 25
8. A person's salary has increased from Rs 7200 to Rs. 8100. What is the percentage increase in his salary?  
a) 25%                      b) 18%                      c)  $16\frac{2}{3}\%$                       d)  $12\frac{1}{2}\%$
9. A's salary is 20 % less than B's salary. Then B's salary is more than A's salary by  
a)  $33\frac{1}{2}\%$                       b)  $16\frac{2}{3}\%$                       c) 20 %                      d) 25 %
10. If the price of petrol is increased by 20 %, by what percentage should the consumption be decreased by the consumer, If the expenditure on petrol remains unchanged?  
a)  $16\frac{2}{3}\%$                       b)  $6\frac{2}{3}\%$                       c) 8%                      d) 15%                      e) None of the above

11. If A's income is  $\frac{5}{6}$  th of B's income, then B's income is more than A's income by  
a)  $\frac{25}{2}\%$                       b) 15%                      c) 20%                      d) 25%
12. 25 % of what amount of money is equal to  $12\frac{1}{2}\%$  of Rs. 180?  
a) Rs 120    b) Rs75                      c) Rs 80                      d) Rs 90
13. 30% of a 3-digit number is 190.8 What will be 125% of that number?  
a) 759                      b) 785                      c) 795                      d) 779                      e) None of the above
14. The price of 10% increased of an article of Rs 100, then again 10% increased the price. How much is increased in total price?  
a) 20                      b) 21                      c) 110                      d) 21
15. In a company, there are 724 employees 25% employees left the job. Find the number of rest of employees.  
a) 543                      b) 550                      c) 578                      d) 565                      e) None of the above
16. An agent sells goods of value of Rs. 15000. The commission which he receives at the ratio of  $12\frac{1}{2}\%$  is  
a) Rs 1875    b) Rs 2125    c) Rs 2000    d) Rs 2700    e) None of the above
17. There are 1240 employees in an organization. Out of which,25 % are promoted. How many such employees are there who got. promotion?  
a) 398                      b) 345                      c) 310                      d) 372                      e) None of the above
18. The difference between 78%of a number and 59% of the same number is 323. What is 62% of that number?  
a) 1054                      b) 1178                      c) 1037                      d) 1159                      e) None of the above
19. The monthly income of a person is Rs 5000. If his income is increased by 30% then what is his monthly income now?  
a) Rs 7000    b) Rs 5500    c) Rs 4500    d) Rs 6500    e) None of the above

20. The price of a certain article is Rs 15000. But due to slump in the market, its price decreases by 8%. Find the new price of the article.  
 a) Rs 14000      b) Rs 13800      c) Rs 16500      d) Rs 12600      e) None of the above
21. A water pipe is cut into two pieces. The longer piece is 70 % of the length of the pipe. By how much percentage is the longer piece longer than the shorter piece?  
 a) 140 %      b)  $\frac{400}{3}$  %      c) 40%      d) None of these
22. When 35 is subtracted from a number, it reduces to its 80%. What is  $\frac{4}{5}$ th of the number?  
 a) 70      b) 90      c) 120      d) 140      e) None of the above
23. A man loses 20 % of his money. After spending 25 % of the remainder, he has Rs 480 left. What is the amount of money he originally had?  
 a) Rs 600      b) Rs 720      c) Rs 800      d) Rs 840
24. If income of Vandana is 25% more than that of Aarti, then income of Aarti is how much per cent less than of Vandana?  
 a) 18%      b) 21%      c) 20%      d) 24%      e) None of the above
25. In an examination the marks obtained by Shantanu is 40 % less than the marks obtained by Kamal, then marks obtained by Kamal is how much per cent more than the marks obtained by Shantanu?  
 a)  $55\frac{2}{3}$  %      b)  $44\frac{3}{5}$  %      c)  $33\frac{1}{3}$  %      d)  $66\frac{2}{3}$  %      e) None of the above
26. Because of scarcity of rainfall, the price of a land decreases by 12 % and its production also decreases by 4% .What is the total effect on revenue?  
 a) Loss of 16 %      b) Gain of 15%      c) Loss of 15.48%      d) Gain of 15.48%  
 e) Loss of 15.52 %
27. Mangulal, a shopkeeper, marks the price of his goods at 20% higher than the original price. After that, he allows a discount of 5% What profit or loss did he get?  
 a) 14% (profit)      b) 16% ( loss)      c) 14% (loss)      d) 16% (profit)  
 e) None of the above

- 28.** The marked price of brand A watches is 15% higher than its original price. Due to increase in demand, the price is further increased by 10%. How much profit will be obtained in selling the watches?  
 a) 25%                      b) 35%                      c) 26.5%                      d) 27%                      e) None of the above
- 29.** The price of sugar is increased by 25% If a family wants to keep its expense on sugar unaltered, then the family will have to reduce the consumption of sugar by  
 a) 20%                      b) 21%                      c) 22%                      d) 25%
- 30.** If the price of tea falls down by 6% by how much per cent must a householder increase its consumption, so as not to decrease expenditure?  
 a)  $5\frac{16}{47}\%$     b)  $4\frac{18}{67}\%$                       c)  $6\frac{18}{47}\%$                       d)  $6\frac{17}{47}\%$                       e) None of the above
- 31.** A student has to score 40 % marks to get through. If he gets 40 marks and fails by 40 marks, then find the maximum marks set for the examination.  
 a) 200                      b) 250                      c) 300                      d) 150                      e) None of the above.
- 32.** A candidate scores 20% and fails by 50 marks, while another candidate who scores 40 % marks gets 30 marks more than the minimum required marks to pass the examination. Find the maximum marks for the examination.  
 a) 500                      b) 450                      c) 300                      d) 400                      e) None of the above
- 33.** The population of a town is 126800. It increase by 15% in the 1<sup>st</sup> year and decrease by 20 % in the 2<sup>nd</sup> year. What is the population of the town at the end of 2yr?  
 a) 174984    b) 135996    c) 116656    d) 145820    e) None of the above
- 34.** The population of town is 705600. If it increases at the rate of 5% per annum, then what will be its population 2 yr hence?  
 a) 777924    b) 777881    c) 778781    d) 797724    e) None of the above
- 35.** The population of a town is 1058400. If it increases at the rate of 5% per annum, then find the population of the town 2yr ago.  
 a) 949000    b) 930000    c) 96000    d) 950000    e) None of the above
- 36.** In an examination 25% students failed in Mathematics, 20 % failed in Economics and 5% failed in both. Find the percentage of students who passed in both the subject.

- a) 60%                      b) 45%                      c) 39%                      d) 62%                      e) None of the subjects.

- 37.** The population of a city is 250000. It is increasing at the rate of 2% every year. The growth in the population after 2 yr is?  
a) 2500                      b) 10000                      c) 252000                      d) 10100
- 38.** In a school, 10% of boys are equal to the one-fourth of the girls. What is the ratio of boys and girls in that school?  
a) 3:2                      b) 5:2                      c) 2:1                      d) 4:3
- 39** Income of Suman is first increased by 7% and then it is decreased by 7% What is the change in her income?  
a) 0.49% (increase)                      b) 0.39(decrease)                      c) 0.39%(increase)                      d) 0.49 (decrease)                      e) None of the above
- 40.** 48 % of the 1<sup>st</sup> number is 60% of the 2<sup>nd</sup> number. What is the ratio of the 1<sup>st</sup> number to the 2<sup>nd</sup> number?  
a) 4:7                      b) 3: 4                      c) 5:4                      d) Couldn't be determined                      e) None of the above
- 41** If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 150% the resultant fraction is  $\frac{9}{35}$  What is the original fraction?  
a)  $\frac{3}{10}$                       b)  $\frac{2}{15}$                       c)  $\frac{3}{14}$                       d)  $\frac{2}{7}$                       e) None of the above.
- 42.**Two numbers are respectively 20% and 50% more than a 3<sup>rd</sup> number, What is the percentage of 2<sup>nd</sup> with respect to 1<sup>st</sup>?  
a) 125%                      b) 90%                      c) 80%                      d) 75%
- 43.** The sum of 15% of a positive number and 20% of the same number is 126. What is one-third of that number?  
a) 360                      b) 1080                      c) 120                      d) 40                      e) None of the above
- 44.** In a test, A scored 10% more than B and B scored 5% more than C. If C scored 300 marks out of 400, then A's marks are  
a) 3120                      b) 325                      c) 350                      d) 360

**45.** In a particular constituency, 75% of voters cast their votes, out of which 2% were rejected. The winning candidate received 75% of the valid votes and bagged a total of 9261 votes. The total number of voters in the constituency is  
a) 14500    b) 18900    c) 16800    d) 24000

**46.** In order to pass in an exam, a student is required to get 780 marks out of the aggregate marks. Sonu got 728 marks and was declared failed by 5%. What are the the maximum aggregate marks a student can get in the examination?  
a) 1040                      b) 1100                      c) 1000                      d) Cannot be determined e) None of the above

**47.** Mathew scored 42 marks in Biology, 51 marks in Chemistry. 58 marks in Mathematics, 35 marks in Physics and 48 marks in English. The maximum marks, a student can score in each subject, are 60. How much overall percentage did Mathew get in this exam?  
a) 76%                      b) 82 %                      c) 68 %                      d) 78 %                      e) None of the aove

**48.** Reena got 76 marks in Hindi, 48 marks in Science, 84 marks in Mathematics, 38 marks in Social Science and 72 marks in English. The maximum marks of each subject was 100. How much over all percentage of marks she got?  
a) 63.8%    b) 62.6%    c) 63.6%    d) 64.8%    e) None of the above

**49.** Sahil got 45 marks in Hindi, 47 marks in Science, 49 marks in Mathematics, 45 marks in Social Science and 32 marks in English. The maximum marks of each subject is 50. How much overall percentage of marks did he get?  
a) 75%                      b) 56.4%    c) 78%                      d) 87.2%    e) None of the above

**50.** Aryan got 350 marks and Vidya scored 76% marks in the same test. If Vidya scored 296 marks more than Aryan, then what were the maximum marks of the test?  
a) 650                      b) 900                      c) 850                      d) 950                      e) None of the above