

Percentages

Practice Exercise 1

- 1) Which of the following is the largest?
I) 13% of 300 II) 12% of 400 III) 16% of 200 IV) 15% of 120
a) I b) II c) III d) IV
- 2) What is 20% of 30% of 40% of 130?
a) 2.92 b) 2.1 c) 1.92 d) 3.12
- 3) What percentage of numbers contain the digit 3 from 1 to 99? *[Syntel 2018]*
a) 20.2% b) 19.2% c) 19% d) 19.19%
- 4) 26% of a number is 160 more than 18% of the number, then the number is
a) 1200 b) 1600 c) 1400 d) 2000
- 5) Population of a village is eight thousand. If 6% men and 10% women are added, population becomes 8,600, then the number of men in the village was *[TCS]*
a) 4800 b) 5000 c) 5060 d) 6000
- 6) In a village, Bhimsingh and Sukhalal contested an election, Bhimsingh won the elections by 1638 votes securing 57% of the total cast. If 10% of the total voters did not vote on the Election Day, then how many voters are there in the voting list? *[Accenture 2018]*
a) 11700 b) 11800 c) 13000 d) 10700
- 7) The current construction cost of a structure is Rs. 92,000. If the labour wages per day increase by $\frac{1}{5}$ of the current wages and the working hours decrease by $\frac{1}{6}$ of the current period, then the new cost of construction is
a) Rs. 92,550 b) Rs. 90,000 c) Rs. 96,000 d) Rs. 92,000
- 8) In an examination two students gets 36% and 39% of maximum marks and fails by 30 marks and 24 marks respectively. Find the pass percentage?
a) 51% b) 42% c) 41% d) None of these
- 9) In an election contested by A and B, A secures 58% of the votes and wins by a majority of 1808 votes. How many votes were totally cast?
a) 11300 b) 13600 c) 15600 d) 11200

- 10) In an election contested by A and B, 10% of the votes polled were invalid. A candidate got 53% of the valid votes and won by a majority of 108 votes. What is the total number of votes polled?
- a) 3000 b) 2500 c) 4000 d) 2000
- 11) 60 litres of sugar mixture, contains 60% sugar. How much water must be added to decrease the sugar percent to 20%? [Capgemini]
- a) 130 litres b) 120 litres c) 140 litres d) 100 litres
- 12) Ajay spends 30% of his monthly income on his household expenditure, 20% of the rest on books, 10% of the rest on shopping and saves the rest. On counting, he comes to know that he has finally saved Rs. 15120. Find his monthly income.
- a) 10000 b) 15000 c) 20000 d) 30000
- 13) 80% of the voters in a village promised to vote for Mr. Lootera and the rest promised to vote for Mr. Bemaan. Of these voters, 10% of the voters who had promised to vote for Mr. Lootera, did not vote on election day, while 20% of the voters who had promised to vote for Mr. Bemaan did not vote on the election day. What is the total number of votes cast if Mr. Lootera got 2160 votes?
- a) 2000 b) 3200 c) 2640 d) 1000
- 14) The length of the rectangle is increased by 20% and breadth is decreased by 20%. What is the effect on its area?
- a) 4% dec b) 4% inc c) 20% inc d) 12% dec
- 15) When the price of a movie ticket was decreased by 15%, then the number of tickets sold increased by 20%. What was the effect on the total amount collected from the event organizer?
- a) 4% dec b) 2% inc c) 4% inc d) 2% dec
- 16) A student project report consists of 25 pages, each of 60 lines with 75 characters on each line. In case the number of lines is reduced to 25 but the number of characters is increased to 90 per lines. What is the percentage change in the number of pages?
- a) 30% b) 75% c) 100% d) 50%
- 17) An individual deposited 20% of 30% of 40% of what he had into his account with a bank. If he deposited Rs. 750 in his bank as saving, how much was he having initially with him before depositing? [CSC]
- a) Rs. 20,000 b) Rs. 31,250 c) Rs. 25,000 d) Rs. 18,200

- 18) In a party, 60% of the invited guests are male and the rest are female. If 80% of the invited guests attended the party and if all the invited female guests attended, what would be the ratio of males to females among the attendees in the party? [GATE 2018]
a) 2 : 3 b) 1 : 1 c) 3 : 2 d) 2 : 1
- 19) David is 60% more than Chetan, Chetan is $\frac{2}{3}$ of Amit and Amit's salary is 50% more than Bharat. Now each of Amit, Bharat, Chetan and David is increased by 10%, then the salary of David forms what percent to the salary of Bharat?
a) 150% b) 160% c) 175% d) None of these
- 20) In an IT company, 20% of the males and 40% of the females attended the annual outing. If 35% of all the employees are males in the IT company, then what percent of all the employees went to the annual outing? [Capgemini]
a) 67 % b) 24 % c) 65 % d) 33 %
- 21) A reduction of 20% percent in the price of rice enables a housewife to buy 5 kg more for rupees 1200. The reduced price per kg of rice?
a) Rs. 36 b) Rs. 45 c) Rs. 48 d) Rs. 60
- 22) The number of seats in a cinema hall is decreased by 8% and also the price of the ticket is increased by 4 percent. What is the effect on the revenue collected?
a) Increase 4.32% b) decrease 4.32%
c) increase 3.32 % d) decrease 3.32%
- 23) The population of a village has increased annually at the rate of 20%. If at the end of 3 years it is 21600, the population in the beginning of the first year?
a) 10000 b) 12500 c) 15000 d) 17500
- 24) A man spends 60% of his income. His income is increased by 20% and his expenditure also increases by 10%. Find the percentage decrease in his saving?
a) 10 % b) 15 % c) 20 % d) 25 %
- 25) A solution contains 10% of salt by weight. On evaporation 15 litre of water evaporates and now concentration of salt becomes 20 percent. Find the initial quantity of solution?
a) 20 litres b) 30 litres c) 40 litres d) 50 litres



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