

# CSAT

# Percentage

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1.  $P = (40\% \text{ of } A) + (65\% \text{ of } B)$  and  $Q = (50\% \text{ of } A) + (50\% \text{ of } B)$ , where  $A$  is greater than  $B$ . In this context, which of the following statements is correct? **(2017)**

- a.  $P$  is greater than  $Q$ .
- b.  $Q$  is greater than  $P$ .
- c.  $P$  is equal to  $Q$ .
- d. None of the above can be concluded with certainty.



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2. In a city, 12% of households earn less than Rs. 30,000 per year, 6% households earn more than Rs. 2,00,000 per year, 22% households earn more than Rs. 1,00,000 per year and 990 households earn between Rs. 30,000 and Rs. 1,00,000 per year. How many households earn between Rs. 1,00,000 and Rs. 2,00,000 per year? **(2017)**

- a. 250
- b. 240
- c. 230
- d. 225



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3. A student has to get 40% marks to pass in an examination. Suppose he gets 30 marks and fails by 30 marks, then what are the maximum marks in the examination? **(2018)**

- a. 100
- b. 120
- c. 150
- d. 300



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4. A and B are two heavy steel blocks. If B is placed on the top of A, the weight increases by 60%. How much weight will reduce with respect to the total weight of A and B, if B is removed from the top of A? **(2019)**

- a. 60%
- b. 45.5%
- c. 40%
- d. 37.5%



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5. When a runner was crossing the 12 km mark, she was informed that she had completed only 80% of the race. How many kilometres was the runner supposed to run in this event? **(2019)**

- a. 14
- b. 15
- c. 16
- d. 16.5



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6. Raju has Rs. 9000 with him and he wants to buy a mobile handset; but he finds that he has only 75% of the amount required to buy the handset. Therefore, he borrows 2000 from a friend. Then **(2019)**
- a. Raju still does not have enough amount to buy the handset.
  - b. Raju has exactly the same amount as required to buy the handset.
  - c. Raju has enough amount to buy the handset and he will have 500 with him after buying the handset.
  - d. Raju has enough amount to buy the handset and he will have 1000 with him after buying the handset.



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7. In a conference, out of a total 100 participants, 70 are Indians. If 60 of the total participants are vegetarian, then which of the following statements is/are correct? **(2019)**

1. At least 30 Indian participants are vegetarian.
2. At least 10 Indian participants are non-vegetarian.

Select the correct answer using the codes given below:

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2



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8. In a school, 60% students play cricket. A student who does not play cricket, plays football. Every football player has got a two-wheeler. Which of the following conclusions cannot be drawn from the above data? **(2019)**

1. 60% of the students do not have two-wheelers.
2. No cricketer has a two-wheeler.
3. Cricket players do not play football.

Select the correct answer using the code given below:

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

9. In an examination, A has scored 20 marks more than B. If B has scored 5% less marks than A, how much has B scored? **(2019)**

- a. 360
- b. 380
- c. 400
- d. 420



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10. As a result of 25% hike in the price of rice per kg, a person is able to purchase 6 kg less rice for Rs. 1,200. What Was the Original price of rice per kg? **(2020)**

- a. Rs. 30
- b. Rs. 40
- c. Rs. 50
- d. Rs. 60



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11. P scored 40 marks more than Q in an examination. If Q scored 10% less marks than P, then how much did Q score? **(2021)**

- a. 360
- b. 380
- c. 400
- d. 420



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12. If the price of an article is decreased by 20% and then the new price is increased by 25%, then what is the net change in the price? **(2021)**

- a. 0%
- b. 5% increase
- c. 5% decrease
- d. Cannot be determined due to insufficient data



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13. The increase in the price of a certain item was 25%. Then the price was decreased by 20% and then again increased by 10%. What is the resultant increase in the price? **(2022)**

- a. 5%
- b. 10%
- c. 12.5%
- d. 15%



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14. When 70% of a number  $x$  is added to another number  $y$ , the sum becomes 165% of the value of  $y$ . When 60% of the number  $x$  is added to another number  $z$ , then the sum becomes 165% of the value of  $z$ . Which one of the following is correct? **(2022)**

- a.  $z < x < y$
- b.  $x < y < z$
- c.  $y < x < z$
- d.  $z < y < x$



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15. Two candidates X and Y contested an election. 80% of voters cast their vote and there were no invalid votes. There was no NOTA (None of the above) option. X got 56% of the votes cast and won by 1440 votes. What is the total number of voters in the voters list? **(2022)**

- a. 15000
- b. 12000
- c. 9600
- d. 5000



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# Keys

1-D	6-A	11-A
2-B	7-C	12-A
3-C	8-D	13-B
4-D	9-B	14-A
5-B	10-B	15-A



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