CUET 2025 May 13 General Test Question Paper

Time Allowed :1 Hour	**Maximum Marks :**250	**Total Questions :**50

General Instructions

Read the following instructions very carefully and strictly follow them:

1. The test is of 1 hour duration.
2. The question paper consists of 50 questions. The maximum marks are 250.
3. 5 marks are awarded for every correct answer, and 1 mark is deducted for every wrong answer.

1. In a circle of radius 13 cm, a chord is at a distance of 12 cm from the center of the circle. Find the length (in cm) of the chord.

(a) 5 cm

(b) 10 cm

(c) 12 cm

(d) 8 cm

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2. PQ and RS are common tangents to two circles intersecting at points A and B. A and B, when produced on both sides, meet the tangents PQ and RS at X and Y, respectively. If AB = 3 cm and XY = 5 cm, then PQ is:

(a) 4 cm

(b) 2 cm

(c) 3 cm

(d) 6 cm

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3. An amount becomes 5 times its original value in 25 years. What is the rate of simple interest per annum?

(a) 16%

(b) 12%

(c) 20%

(d) 14%

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4. A train running at the speed of 90 km/h crosses a 400 m long tunnel in 40 seconds. What is the length of the train (in meters)?

(a) 400

(b) 600

(c) 500

(d) 550

5. A ladder leaning against a wall makes an angle of 45° with the ground. If the length of the ladder is 10 m, what is the distance of the foot of the ladder from the wall?

(a) $10\sqrt{2}$ m

(b) $5\sqrt{2}$ m

(c) $3\sqrt{2}$ m

(d) $10\sqrt{2}$ m

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6. If the selling price of 75 articles is equal to the cost price of 90 articles, then find the gain percentage.

(a) 20%

(b) 15%

(c) 25%

(d) 30%

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7. A die is thrown once. What is the probability of getting a number greater than 4?

(a) $\frac{1}{2}$

(b) $\frac{1}{3}$

(c) $\frac{1}{6}$

(d) $\frac{2}{3}$

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8. The average of four numbers is 48. If the first number is one-third of the sum of the remaining numbers, then the first number is:

(a) 36

(b) 54

(c) 48

(d) 60

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9. The sum of a two-digit number and the number obtained by reversing the digits is 99. If the digits of the number differ by 7, then the two-digit number can be:

(a) 92

(b) 29

(c) 81

(d) 18

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10. The ratio of the ages of Amit and his father is 2:5. After 4 years, the ratio of their ages will become 3:7. What will be the ratio of their ages after 6 years?

(a) 4:9

(b) 19:43

(c) 13:38

(d) 6:11

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11. A cylindrical water tank has a radius of 7 meters and a height of 10 meters. If the tank is completely filled with water, what is the volume of water in the tank? (Use $\pi = \frac{22}{7}$)

(1) 1540 cubic meters

(2) 1470 cubic meters

(3) 1370 cubic meters

(4) 1620 cubic meters

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12. A shopkeeper buys an item for 2000 and marks it up by 50% to set the marked price. He then offers a 20% discount on the marked price. What is the profit earned by the shopkeeper?

(1) 400

(2) 500

(3) 600

(4) 700

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13. A person invests 5000 at a simple interest rate of 8% per annum for 3 years. What is the total interest earned by the person at the end of the period?

(1) 1000

(2) 1200

(3) 1400

(4) 1600

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14. Two trains, A and B, start from stations X and Y, 300 km apart, and travel towards each other. Train A travels at 60 km/h, and Train B travels at 90 km/h. If Train A starts 1 hour earlier than Train B, how long will it take for the two trains to meet after Train B starts?

(1) 1.5 hours

(2) 2 hours

(3) 2.5 hours

(4) 3 hours

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15. In a sequence of numbers, each term is generated by multiplying the previous term by 2 and then subtracting 1. If the first term is 3, what is the fourth term in the sequence?

(1) 11

(2) 13

(3) 23

(4) 25
