

# CUET 2026 May 18 Shift-1 (GAT)

## Question Paper (Memory-Based) PDF

Conducted by National Testing Agency (NTA)



### General Instructions

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- (i) The examination will be conducted in Computer-Based Test (CBT) mode.
- (ii) Each question carries +5 marks for correct answer and -1 mark for wrong answer.
- (iii) The total number of questions are 50.
- (iv) Duration of the exam is 1 hour (60 minutes).

1. The volume of a right circular cone is  $1232 \text{ cm}^3$  and its height is 14 cm. Find the radius of the base (use  $\pi = 22/7$ ).

- (a) 7 cm
- (b) 14 cm
- (c) 21 cm
- (d) 28 cm

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2. If  $\sin\theta = 3/5$  and  $\theta$  is an acute angle, then the value of  $(\sec\theta + \tan\theta)$  is:

- (a)  $8/4$
- (b)  $5/3$
- (c)  $17/8$
- (d)  $17/3$

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3. The mean of 5 numbers is 28. If one number is excluded, the mean of the remaining 4 numbers becomes 25.5. The excluded number is:

- (a) 35
  - (b) 38
  - (c) 37.5
  - (d) 40
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**4. How many ways can 4 boys and 3 girls be seated in a row such that all girls sit together?**

- (a) 720
  - (b) 144
  - (c) 840
  - (d) 5040
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**5. The 7th term of an Arithmetic Progression is 40 and the 13th term is 70. Find the 21st term of the AP.**

- (a) 100
  - (b) 110
  - (c) 120
  - (d) 130
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**6. The LCM of two numbers is 180 and their HCF is 6. If one of the numbers is 30, find the other number.**

- (a) 36
  - (b) 42
  - (c) 45
  - (d) 54
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**7. A can complete a work in 12 days and B can complete the same work in 18 days. If A and B work together for 4 days and then A leaves, how many more days will B take to finish the remaining work?**

- (a) 6 days
  - (b) 8 days
  - (c) 9 days
  - (d) 10 days
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**8. Find the compound interest on 8000 for 2 years at 10% per annum compounded annually.**

- (a) 1680
  - (b) 1720
  - (c) 1760
  - (d) 1800
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**9. In a certain code language, 'P is brother of Q' is written as 'P#Q', 'Q is sister of R' is written as 'Q\$R', 'R is father of S' is written as 'R@S'. How is P related to S?**

- (a) Uncle
  - (b) Brother
  - (c) Father
  - (d) Grandfather
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**10. At what time between 4 and 5 o'clock will the hands of a clock be at right angles for the first time? (Approximately)**

- (a) 4:05
  - (b) 4:38
  - (c) 4:55
  - (d) 4:22
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