

CAT 2025 Slot 2 QA Question Paper

Time Allowed :40 Minutes	Maximum Marks :66	Total Questions :22
--------------------------	-------------------	---------------------

General Instructions

Read the following instructions very carefully:

1. The total duration of the QA section is **40 minutes**.
2. Each correct answer carries **+3 marks**.
3. For multiple-choice questions (MCQs), **-1 mark** will be deducted for each wrong answer.
4. There is **no negative marking** for Type-in-the-Answer (TITA) questions.
5. Once the allotted time for a section ends, you will automatically move to the next section. You cannot go back to a previous section.
6. All answers must be entered on the computer screen using the mouse and keyboard. Rough sheets will be provided.
7. The use of calculators, mobile phones, or any other electronic device is strictly prohibited. An on-screen basic calculator will be provided.

1. A and B can complete a work in 12 days and 18 days respectively. They start together, but A leaves after 4 days. How many more days will B take to finish the remaining work?

- (A) 6 days
- (B) 8 days
- (C) 10 days
- (D) 12 days

2. N is a 3-digit number with non-zero digits. No digit is a perfect square and only 1 of the digits is a prime number. What is the number of factors of the smallest such number possible?

- (A) 6
- (B) 8
- (C) 9
- (D) 12

3. If the quadratic equation $ax^2+bx+c=0$ has roots that differ by 4, and $a+b+c=12$, what is the value of b^2-4ac ?

(A) 12

(B) 16

(C) 20

(D) 24

4. A number when divided by 7 leaves a remainder 4 and when divided by 9 leaves a remainder 5. What is the smallest such number greater than 100?

(A) 148

(B) 158

(C) 163

(D) 191

5. In a triangle ABC, the sides are in the ratio 3 : 4 : 5. If the area of the triangle is 96 sq units, what is its perimeter?

(A) 40

(B) 48

(C) 50

(D) 60

6. Using digits 1 to 6 (each at most once), how many 4-digit numbers can be formed that are divisible by 4?

(A) 72

(B) 84

(C) 96

(D) 108

7. N is a 3-digit number with non-zero digits. No digit is a perfect square and only 1 of the digits is a prime number. What is the number of factors of the smallest such number possible?

- (A) 6
 - (B) 8
 - (C) 9
 - (D) 12
-