

COMMERCE TEST MODEL PAPER**MATHEMATICS**

1. The HCF of 26 and 91 is:
A) 7 B) 13 C) 17 D) 1

Unit: Real Numbers

Topic: HCF

2. Which of the following is irrational?
A) $\sqrt{4}$ B) 0.25 C) $\sqrt{5}$ D) $3/7$

Unit: Real Numbers

Topic: Irrational numbers

3. The decimal expansion of $13/125$ is:
A) 0.104 B) 1.04 C) 0.014 D) 0.14

Unit: Real Numbers

Topic: Decimal expansion

4. If α and β are the zeroes of $x^2 - 5x + 6$, then $\alpha + \beta$ equals:
A) 6 B) -5 C) 5 D) -6

Unit: Polynomials

Topic: Relationship between zeroes and coefficients

5. The zeroes of $x^2 - 9$ are:
A) 0 and 9 B) 3 and -3 C) 9 and -9 D) 3 and 3

Unit: Polynomials

Topic: Zeroes of a polynomial

6. A quadratic polynomial has zeroes 2 and 4. Which could be the polynomial?
A) $x^2 - 6x + 8$ B) $x^2 + 6x + 8$ C) $x^2 - 2x + 4$ D) $x^2 + 2x - 8$

Unit: Polynomials

Topic: Forming a polynomial from zeroes

7. The pair $x + y = 5$ and $x - y = 1$ has solution:
A) (2, 3) B) (3, 2) C) (1, 4) D) (4, 1)

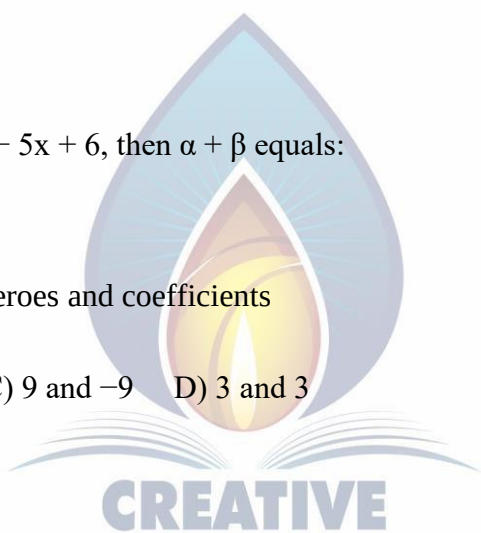
Unit: Pair of Linear Equations in Two Variables

Topic: Solution by elimination

8. The lines $2x + 3y = 6$ and $4x + 6y = 12$ have:
A) No solution B) Exactly one solution C) Infinitely many solutions D) Exactly two solutions

Unit: Pair of Linear Equations in Two Variables

Topic: Consistency of linear equations



9. For a pair of linear equations $a_1x + b_1y + c_1 = 0$ and $a_2x + b_2y + c_2 = 0$ to have no solution, the condition is:

- A) $a_1/a_2 \neq b_1/b_2$ B) $a_1/a_2 = b_1/b_2 \neq c_1/c_2$ C) $a_1/a_2 = b_1/b_2 = c_1/c_2$ D) $a_1/a_2 \neq b_1/b_2 = c_1/c_2$

Unit: Pair of Linear Equations in Two Variables

Topic: Conditions for no solution

10. The roots of $x^2 - 7x + 12 = 0$ are:

- A) 2 and 6 B) 3 and 4 C) -3 and -4 D) 1 and 12

Unit: Quadratic Equations

Topic: Factorisation

ENGLISH

1. By the time the conference starts tomorrow, Alice _____ her presentation for over three hours.

- A) will prepare B) will have been preparing C) is preparing D) prepares

Unit: Tenses

Topic: Future Perfect Continuous

2. The archaeologist discovered that the ancient civilization _____ suddenly due to a volcanic eruption centuries earlier.

- A) collapsed B) has collapsed C) had collapsed D) was collapsing

Unit: Tenses

Topic: Past Perfect Tense

3. The teacher asked Rahul why was he late to the English class that morning. Choose the correct replacement.

- A) asked $\rightarrow$ asks B) why was he $\rightarrow$ why he was C) that $\rightarrow$ this D) late $\rightarrow$ lately

Unit: Error Identification and Correction

Topic: Reported questions

4. If she had trained harder last year, she _____ the marathon, but she pulled a muscle instead.

- A) might win B) might have won C) should win D) must have won

Unit: Modals

Topic: Past possibility

5. Neither the project manager nor the software developers _____ satisfied with the new timeline specified in the contract.

- A) is B) are C) was D) has been

Unit: Subject-Verb Concord

Topic: Agreement with neither...nor

6. A comprehensive collection of rare historical manuscripts, alongside several artifacts, _____ currently on display at the city museum.

- A) is B) are C) were D) have been

Unit: Subject-Verb Concord

Topic: Singular subject

7. Although there was _____ hope left of rescuing the stranded hikers, the team refused to give up until nightfall.

- A) a little B) little C) few D) a few

Unit: Determiners

Topic: Little / a little

8. The professor remarked that _____ candidate who applied for the research grant had demonstrated exceptional merit.

- A) all B) both C) every D) many

Unit: Determiners

Topic: Every

9. Direct: The doctor said to him, “Why did you stop taking the prescribed medicine?” Reported: The doctor asked him _____.

- A) why did he stop taking the prescribed medicine
B) why he had stopped taking the prescribed medicine
C) that why he stopped taking the prescribed medicine
D) why he has stopped taking the prescribed medicine

Unit: Reported Speech

Topic: Interrogative sentences

10. Direct: “Don’t venture too close to the edge,” the guide warned the tourists. Reported: The guide warned the tourists _____ too close to the edge.

- A) to not venture B) that they don’t venture C) not to venture D) not venturing

Unit: Reported Speech

Topic: Negative imperative

