

D - 87 A

**CONTINUOUS & COMPREHENSIVE EVALUATION
SUMMATIVE ASSESSMENT - II - APRIL 2024**

**MATHEMATICS
(English Version)**

PART - B

IX Class]

(Max.Marks : 20)

[Time: ½ Hr.

Student Name Roll No.....

Instructions:

- i) Answer all the questions.*
- ii) Each question carries 1 mark.*
- iii) Answers are to be written in Question paper only.*
- iv) Marks will not be awarded in any case of over -writing, re-writing or erased answers.*

*** * ***

I. Write the capital letters (A, B, C, D), showing the correct answer for the following questions in the brackets provided against them. 20x1=20

1. Which are the zeroes of $p(x) = (x-1).(x-2)$ []

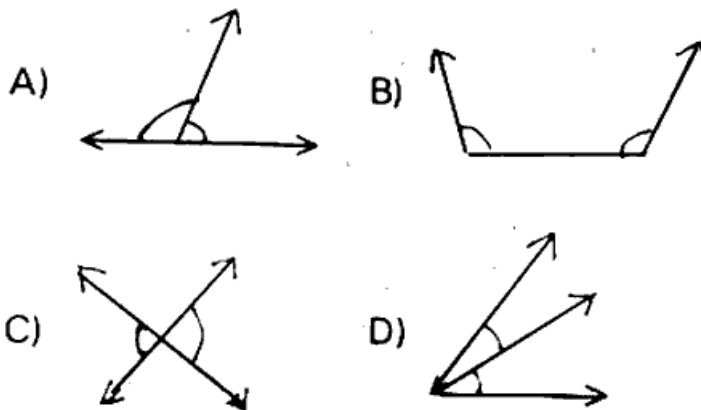
- A) 1, -2
- B) 1, 2
- C) -1, -2
- D) -1, 2

2. In a parallelogram ABCD, $\angle A = 50^\circ$, then the remaining angles in order. []

- A) $130^\circ, 50^\circ, 130^\circ$
- B) $130^\circ, 130^\circ, 50^\circ$
- C) $50^\circ, 130^\circ, 130^\circ$
- D) $50^\circ, 50^\circ, 130^\circ$

[Turn Over

10. Diagram which represents vertically opposite angles. []



11. The equation of x -axis is []

A) $y = 0$ B) $x = 0$
 C) $x = y$ D) $x + y = 0$

12. Ramu's age is 6 times the age of Bhan. Linear equation in two variables for this statement is ----- []

A) $6 - x = 0$ B) $x - y = 0$
 C) $6 - y = 0$ D) $y - 6x = 0$

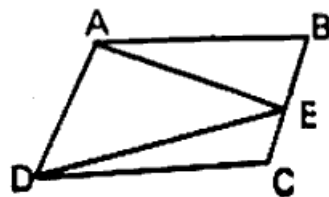
13. The conjugate angle of 80° is ----- []

A) 100° B) 10° C) 280° D) 190°

14. The total surface area of a sphere (in sq.units) []

A) $4\pi r^2$ B) $3\pi r^2$ C) $2\pi r^2$ D) πr^2

15. In the given figure, area of $\triangle ADE$ is 24 sq.cm, then the area of $\square ABCD$ []



A) 24 sq.cm B) 48 sq.cm
 C) 12 sq.cm D) 36 sq.cm

16. "Through a point not on a given line exactly one parallel line can be drawn to the given line" is stated by ----- []
- A) Pythagoras B) Euclid
C) John Playfair D) Legendre
17. If $x > 0$ and $y < 0$, then the point $(-x, -y)$ lies in quadrant. []
- A) Quadrant III B) Quadrant IV
C) Quadrant I D) Quadrant II
18. If a letter is chosen from English alphabet, then the probability of being vowel. []
- A) $\frac{5}{26}$ B) $\frac{21}{26}$
C) $\frac{1}{26}$ D) $\frac{26}{26}$
19. The total marks of Raju in 6 subjects is 201. His average marks is ----- []
- A) 30.5 B) 31.5
C) 32.5 D) 33.5
20. If the range of data $x_1 < x_2 < x_3$ is 26 and $x_1 = 6$, then the value of x_3 is ----- []
- A) 20 B) 32
C) $\frac{26}{6}$ D) 156