

DAV MODEL SCHOOL, REVULAPALLY

Time : 30 Minutes]

PART - B

[Marks : 5

Instructions :

- Write the answers to the questions in this **Part-B** on the Question paper itself and attach it to the answer book of **Part-A**.
- Answer **all** the questions.
- Each question carries $\frac{1}{2}$ mark.
- Answers are to be written in question paper only.
- Marks will **not** be awarded in any case of over-writing, rewriting or erased answers.

NAME:

I. Write the CAPITAL LETTERS (A,B,C,D) showing the correct answer for the following questions in the brackets provided against them. (Marks : $10 \times \frac{1}{2} = 5$)

1. In the rational form of a terminating decimal number prime factor of the denominator is []

- (A) only 2 (B) only 5 (C) 2 or 5 only (D) Any prime

2. $\log_{10} 2 + \log_{10} 5$ value = []

- (A) 1 (B) 2 (C) 5 (D) 10

3. If $A \subset B$, then $A \cap B = \dots\dots\dots$ []

- (A) A (B) B (C) $\emptyset$ (D) μ

4. The number of subsets of a set is 16, then the set has elements. []

- (A) 1 (B) 2 (C) 3 (D) 4

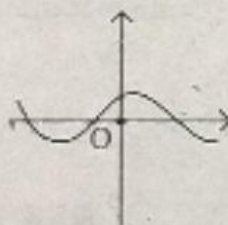
5. The number of zeros of the polynomial, whose graph is given below. []

(A) 0

(B) 1

(C) 2

(D) 3



6. The value of x, which satisfies $2(x - 1) - (1 - x) = 2x + 3$ []

- (A) 2 (B) 4 (C) 6 (D) 8

7. In a quadratic equation $ax^2 + bx + c = 0$, if $b^2 - 4ac > 0$, then their roots are []

- (A) real and distinct (B) real and equal
(C) imaginary (D) None

8. The sum of first 100 natural numbers is []

- (A) 4050 (B) 4500 (C) 5500 (D) 5050

9. If a, b, c are in G.P., then $b = \dots\dots\dots$ []

- (A) ac (B) $\sqrt{ac}$ (C) $\frac{a+c}{2}$ (D) a^2c^2

10. The area of the triangle BOA is sq. units. []

(A) 1

(B) 2

(C) 3

(D) 4

