DAV MODEL SCHOOL, REVULAPALLY

Time : 30 Minutes] **PART - B** [Marks : 5

Instructions :

(i) *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**.*

(ii) *Answer **all** the questions.*

(iii) *Each question carries ½ mark.*

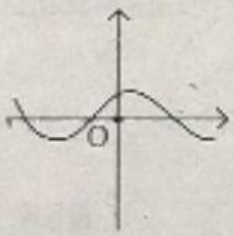
(iv) *Answers are to be written in question paper only.*

(v) *Marks will **not** be awarded in any case of over - writing, rewriting or erased answers.*

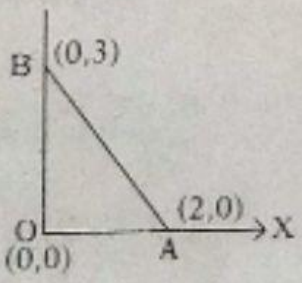
NAME:

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 × ½ = 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 $A \cap B$ = ...** [ ]
   (A) A (B) B (C) $\varnothing$ (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 = ...** [ ]
   (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



❖ ❖ ❖ ❖ ❖