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.   [   ]
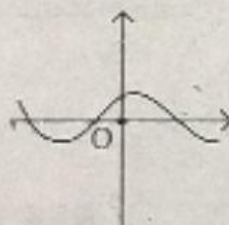   (A) 1   (B) 2   (C) 3   (D) 4

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) $\dfrac{a+c}{2}$ (D) a^2c^2

10. The area of the triangle BOA is .... sq. units.   [   ]
    (A) 1

    (B) 2

    (C) 3

    (D) 4

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