MATHS ***9th CLASS*** ***50 MARKS***

1. Value of $(256)^{0.16} \times (256)^{0.09}$ is

a) 4 b) 16 c) 64 d) 256.25

2. If $\sqrt{3} = 1.732$, then $\sqrt{\frac{\sqrt{3}-1}{\sqrt{3}+1}}$ is equal to:

a) 2.732 b) 0.2679 c) 0.732 d) 0.517

3. The decimal expansion of an irrational number may be

a) Terminating b) Recurring

c) Either terminating or non- terminating

d) Non-terminating and non-recurring

4. In between two rational number there is/are

a) Exactly one rational number b) Infinitely many rational number

c) Many irrational numbers d) Only irrational numbers

5. What would be the denominator after rationalizing $7/(5\sqrt{3} - 5\sqrt{2})$?

a) 19 b) 20 c) 25 d) None of these

6. x^2-2x+1 is a polynomial in

a) One Variable b) Two Variables c) Three variable d) None of the above

7. The coefficient of x^2 in $3x^3+2x^2-x+1$ is

a) 1 b) 2 c) 3 d) -1

8. The degree of $4x^3-12x^2+3x+9$ is

a)0 b) 1 c) 2 d)3

9. $x - x^3$ is a _____ polynomial.

a) Linear b)Quadrati c)Cubic d)None of the above

10. The value of $f(x) = 5x-4x^2+3$ when $x = -1$, is

a) 3 b) -12 c) -6 d) 6

11. Abscissa of a point is positive in

(a) I and II quadrants (b) I and IV quadrants (c) I quadrants only (d) II quadrant only.

12. The points (-5, 2) and (2, -5) lie in the

(a) same quadrant (b) II and III quadrant respectively.

(c) II and IV quadrant respectively. (d) I and IV quadrant respectively.

13. Mirror image of the point (9, -8) in y-axis is

(a) (-9, -8) (b) (9, 8) (c) (-9, 8) (d) (-8, 9)

14. Which of the following points lies on the negative side of x axis?