

Maths**10th CLASS**

1. The decimal expansion of $22/7$ is

- (a) Terminating (b) Non-terminating and repeating
(c) Non-terminating and Non-repeating (d) None of the above

2. For some integer n , the odd integer is represented in the form of

- (a) n (b) $n + 1$ (c) $2n + 1$ (d) $2n$

3. HCF of 26 and 91 is

- (a) 15 (b) 13 (c) 19 (d) 1

4. Which of the following is not irrational?

- (a) $(3 + \sqrt{7})$ (b) $(3 - \sqrt{7})$ (c) $(3 + \sqrt{7})(3 - \sqrt{7})$ (d) $3\sqrt{7}$

5. The addition of a rational number and an irrational number is equal to

- (a) rational number (b) Irrational number (c) Both (d) None of the above

6. The number of integers existing from 1 to 1000 such that they leave a remainder 4 when divided by 7 and a remainder 9 when divided by 11, are

- (a) 11 (b) 14 (c) 12 (d) 13

7. Which of the following is the correct HCF of 108 and 288?

- (a) 108 (b) 12 (c) 288 (d) 3

8. The degree of the polynomial, $x^4 - x^2 + 2$ is

- (a) 2 (b) 4 (c) 1 (d) 0

9. If $p(x)$ is a polynomial of degree one and $p(a) = 0$, then a is said to be

- (a) Zero of $p(x)$ (b) Value of $p(x)$ (c) Constant of $p(x)$ (d) None of the above

10. A polynomial of degree n has

- (a) Only one zero (b) At least n zeroes (c) More than n zeroes (d) At most n zeroes

11. Graphically, the pair of equations $7x - y = 5$; $21x - 3y = 10$ represents two lines which are

- (a) intersecting at one point (b) parallel (c) intersecting at two points (d) coincident

12. The pair of equations $3x - 5y = 7$ and $-6x + 10y = 7$ have