Fill in the blanks.

- 1. Every point on the number line corresponds to a.....number which may be either.
- 2. The decimal form of an irrational number is neither......
- 3. The decimal representation of the rational number 8/27 is ..........
- 4. 0 is.....number.[a rational/an irrational]
- 5. A polynomial of degree 1 is called.....polynomial.

Multiple Choice Questions (MCQs)

6. Every rational number is-

- (a)a natural number
- (b)an interger
- (d)a whole number
- 7. The product of two irrational number is

(a) always an irrational number (b) always a rational number (c) always an integer (d) can be ratio

8. Which of the following is irrational?

- (a)0.14 (b)0.1416416.... (c)0.14161416... (d)401400140001...
- 9. The value of 1.999.. in the form of p/q, where p and q are integers and q≠0 is-
- (a)19/10
- (b)1999/1000
- (d)2
- 10. Which one is not a polynomial

(a) 
$$4x^2 + 2x -$$

12. Identify the polynomia

(a) 
$$x^{-2} + x^{-1} + 5$$

(b) 
$$x^2 + 5\sqrt{x} + 7$$

$$\frac{1}{3} + 7$$

- (b) quadratic
- (c) cubic
- (d) Biquadratio
- 16. The value of k, if (x 1) is a factor of  $4x^3 + 3x^2 4x + k$ , is
- (c) -3
- 17. The degree of polynomia
- (b) 2
- (c) 1
- 18. If 3 + 5 8 = 0, then the value of  $(3)^3 + (5)^3 (8)^3$  is
- (a) 260
- (b) -360
- (c) -160
- (d) 160

- 19. If value of  $104 \times 96$  is
- (b) 9469
- (c) 10234
- (d) 11324
- 20. The value of  $5.63 \times 5.63 + 11.26 \times 2.37 + 2.37 \times 2.37$  is
- (a) 237
- (b) 126
- (c) 56
- (d) 64

Class-JX'C' Name----- Chapters-Number System & Polynomials
Roll no,-.....

