**Fill in the blanks.**

**1. Every point on the number line corresponds to a……………..number which may be either……………….or……………………**

**2. The decimal form of an irrational number is neither……………….nor……………**

**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 (c)a real number (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 rational or irrational**

**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 (c)1/9 (d)2**

**10.  Which one is not a polynomial**

**(a)   4x2 + 2x – 1 (b)    (c)   x3 – 1 (d)   y2 + 5y + 1**

**11.  The polynomial px2 + qx + rx4 + 5 is of type-**

**(a)   linear (b)   quadratic (c)   cubic (d)   Biquadratic**

**12.  Identify the polynomial**

**(a)   x–2 + x–1 + 5 (b)    (c)    (d)   3x2 + 7**

**13.  The zero of the polynomial p(x) = 2x + 5 is**

**(a)   2 (b)   5 (c)    (d)   **

**14.  The number of zeros of x2 + 4x + 2**

**(a)   1 (b)   2 (c)   3 (d)   none of these**

**15.  The polynomial of type ax2 + bx + c, a = 0 is of type**

**(a)   linear (b)   quadratic (c)   cubic (d)   Biquadratic**

**16.  The value of k, if (x – 1) is a factor of 4x3 + 3x2 – 4x + k, is**

**(a)   1 (b)   2 (c)   –3 (d)   3**

**17.  The degree of polynomial  is**

**(a)   0 (b)   2 (c)   1 (d)   3**

**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 × 96 is**

**(a)   9984 (b)   9469 (c)   10234 (d)   11324**

**20.  The value of 5.63 × 5.63 + 11.26 × 2.37 + 2.37 × 2.37 is**

**(a)   237 (b)   126 (c)   56 (d)   64**

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