MULTIPLE CHOICE QUESTIONS and ANSWERS

(Based on pre-term chapters)

1. What is the HCF of the least prime number and the least composite number? **2**
2. What is the reciprocal of an irrational number? **An irrational**
3. If the graph of a polynomial does not intersect the x -axis, then what is the number of zeros of the polynomial? **0**
4. What is the degree of a constant polynomial? **0**
5. What is the degree of a biquadratic polynomial? **4**
6. If one of the zeros of the polynomial $ax^2 + bx + c$ is 0, then the other zero? $-\frac{b}{a}$
7. If $y = 2x - 3$ and $y = 5$, then what is the value of x? **4**
8. Determine the value of c , for which the system of linear equations : $cx + 3y = 3$ and $12x + cy = 6$ has no solution. **– 6**
9. If $x^2 + 2kx + 4 = 0$ has a root x = 0, then the value of k ? **- 2**
10. Which term of the AP: 27, 24, 21,……..is zero? **10^{th}**
11. Find the number of odd numbers between 0 and 50. **25**
12. If I = 28, S = 144, n = 9, then find a . **4**
13. The tringle with vertices (-2, 1), (2, -2) and (5, 2) is, ? **Right angled isosceles**
14. The coordinates of centroid of the triangle with vertices (0, 0) , (3a, 0) and (0, 3b) are ? **(a, b)**
15. The coordinates of the mid point of the line segment joining (- 8, 13) and (x, 7) is (4, 10) .Find the value of x. **16**
16. The area of the triangle whose vertices are (0, 0) , (a, 0) and (0, b) is..? **½ ab**