**Mathematics**

**Fill in the blanks.**

1. If the = …………………………..
2. 13 b. -13 c. -7 d. 7
3. The solution of set of is …………………
4. {3} b. {1 , 3} c. {0 , 3} d. {-3}
5. A line segment having both end points on circle and not passing through the center is called ………………….
6. Chord b. Secant c. Diameter d. None of these
7. ……………………
8. b. c. d.
9. An equation having two roots is called ……………….
10. Linear b. Cubic c. Quadratic d. None of these
11. How many points determine a plane?
12. 1 b. 2 c. 3 d. None of these
13. If standard deviation of a series is 9, then its variance is ……………………
14. 81 b. 3 c. 18 d. None of these
15. The degree of polynomial is ………………….
16. Two b. Three c. Four d. Five
17. Difference between the largest and smallest value of a given data is called ……………
18. Range b. Median c. Mode d. Mean deviation
19. 40 b. 60o c. 70o  d. 90o
20. If set A has 7 elements and set B has 3 elements, then the number of order pairs in

A x B =……………………..

1. 10 b. 20 c. 21 d. 22
2. The solution set of is ……………………………
3. {0,5} b. {-5, 0} c. {0} d. {5}
4. If …………………..
5. 52 b. 26 c. 32 d. 104
6. Line segment joining any point of a circle to its centre is called ………………..
7. Diameter b. Arc c. Chord d. Radial segment
8. Sec2 = 1 + …………………..
9. b. c. c.
10. Point (-2, -2) lies in ………………………
11. 1st quadrant b. 2nd quadrant c. 3rd quadrant d. None of these
12. Eliminating ‘ t ’ from , we get ……………………..
13. b. c. d.
14. An angle inscribed in a semi circle is …………………
15. Obtus b. Right angle c. Acute angle d. None of these
16. A circle touching sides of a triangle internally is called …………………..
17. Circum circle b. Inscribed circle c. Escribed cirle d. All of these
18. The roots of the equation, are …………………….
19. b. c. d.
20. The solution set of equation is ………………….
21. b/a b. –b/a c. ab d. –ab
22. In a right angled triangle the inverse ration of = …………………
23. Sin b. Cos c. d. Sec
24. …………… should be subtracted from to make the expression complete square.

a. 4pq b. 2pq c. pq d. 19pq

24. The circle is said to be ……………………. If circle of their radii are of the same length

a. Tangent circle b. Congruent c. Intersecting d. Concentric

25. = ……………………..

a. b. c.

d.