**F.M – 15**
**Date -30 .04.20**

**SUBJECT –ALGEB & GEOM    CHAPTER 17 – ANGLES & THEIR PROPERTIES**
  TOPIC –  ANGLES  AT A  POINT

I. Multiple choice questions : (Select the correct option)                    (15)

1. Adjacent angles have a common _____.

a) square      b) vertex     c) triangle      d) none of these .

2. Adjacent angles along with common vertex also have a common _____.

a) acute      b) rectangle     c) arm       d) none of these .

3.If two angles in the same plane have a common vertex and a common side, but have interiors with no points in common , the angles are _____.

a) adjacent      b) vertical     c) perpendicular      d) none of these .

4. The sum of the adjacent angles on one side of a line is _____.

a) 100°      b) 180°     c) 90°        d) none of these .

5. The sum of all the angles at a point each being adjacent to the next is _____.

a) 180°      b) 90°     c) 360°        d) none of these .

6. Adjacent angles have _____ with no points in common.

a) outside      b) exteriors     c) interiors        d) none of these .

7. 360° can also be called as ____ right angles.

a) 1     b) 4     c) 5     d) none of these.

8. One of the angles forming a linear pair is an obtuse angle. What kind of angle is the other pair ?

a) reflex   b) acute   c) obtuse   d) none of these.

9. If two lines intersect then the vertically opposite angles are _____.

a) unequal    b) equal    c) different    d) none of these.

10. Vertically opposite angle is called as _____ angle.

a) vertical   b) adjacent   c) new   d) none of these.

11. Adjacent angles whose two non – common arms are opposite rays, form a _____ pair.

a) linear   b) collinear   c) perpendicular   d) none of these.

12. Vertically opposite angles are _____ equal.

a) never   b) sometimes   c) always   d) none of these.

13. The two vertically opposite angles are angle AOB and angle COD. If angle AOB is 90°, then find the measure of angle COD .

a) 18°   b) 90°   c) 50°   d) none of these.

14.Angles of a ____ pair are always supplementary.

a) acute   b) collinear   c) linear   d) reflex.

15. If two lines intersect, then one pair of vertically opposite angles always consists of acute angles and the other _____ angles.

a) acute   b) right   c) obtuse   d) reflex.

By – U. James Riju.