ST. LAWRENCE HIGH SCHOOL
A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Algebra and Geometry **Class: 7** **Date: 03.04.21**
Duration: 40 min **Worksheet Solution 23** **Full Marks: 15**

BASIC CONSTRUCTION

Choose the Correct options:

1. What is an arc?
    a. Part of a building
    b. a part of a curve, especially a part of the circumference of a circle:
    c. a luminous electrical discharge between two electrodes or other points
    d. form an electric arc

2. What do you mean by radius of a circle?
    a. Distance from centre to circumference of a circle
    b. Distance from circumference to circumference
    c. Distance from centre to a chord
    d. Distance from chord to chord

3. Point of intersection is where
    a. Two lines meet
    b. Two arcs meet
    c. An arc and a line meets
    d. All of these

4. What is an angle bisector?
    a. a line passing through the vertex of the angle that cuts it into two equal smaller angles.
    b. a line passing through one arm of the angle that cuts it into two equal smaller areas.

    c. a line passing through the vertex of the angle that cuts it into two unequal smaller angles.
    d. None of these

5. Why is radius chosen as more than half in construction?
    a. To ensure intersection
    b. To ensure bisection
    c. To allow the lines to pass
    d. None of these

6. Name another word for perpendicular
    a. normal
    b. bisector
    c. angle
    d. transversal

7. What do you mean by a line segment?
    a. Part of a line that is bounded by two distinct end points
    b. line with no endpoints
    c. line with one endpoints
    d. None of these

8. Which tools are essential for geometrical construction?
    a. ruler
    b. compass
    c. pencil
    d. all of these

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9. What is the function of a protractor?
   a. **measuring angles**
   b. drawing angles
   c. drawing lines
   d. drawing circles
10. What is the function of a pencil compass?
   a. **scribing circles or arcs of circles**
   b. telling direction
   c. navigation
   d. None of these
11. What is an angle bisector?
   a. **a line passing through the vertex of the angle that cuts it into two equal smaller angles.**
   b. a line passing through one arm of the angle that cuts it into two equal smaller areas.
   c. a line passing through the vertex of the angle that cuts it into two unequal smaller angles.
   d. None of these
12. Why is radius chosen as more than half in construction?
   a. **To ensure intersection**
   b. To ensure bisection
   c. To allow the lines to pass
   d. None of these
13. What do you mean by a perpendicular?
   a. 0°
   b. 45°
   c. **90°**
   d. 180°
14. What is the function of a protractor?
   a. **measuring angles**
   b. drawing angles
   c. drawing lines
   d. drawing circles
15. What are parallel lines?
   a. **Two lines in the same plane that are at equal distance from each other and never meet.**
   b. Two lines in the same plane that are at unequal distance from each other and never meet.
   c. Two lines in the same plane that are at unequal distance from each other and always meet.
   d. None of these