



**ST. LAWRENCE HIGH SCHOOL**  
**A JESUIT CHRISTIAN MINORITY INSTITUTION**



**Sub: Algebra and Geometry**  
**Duration: 40 min**

**Class: 7**  
**Worksheet 17**  
**BASIC CONSTRUCTION**

**Date: 13.03.21**  
**Full Marks: 15**

**Choose the Correct options:**

1. Why do we have constructions in geometry?

- a) axiomatic logic
- b) useful in construction
- c) no approximations, no guesses
- d) All of these

2. 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

3. 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

4. Point of intersection is where

- a) Two lines meet
- b) Two arcs meet
- c) An arc and a line meets
- d) All of these

5. 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

6. 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

7. What do you mean by a perpendicular?

- a)  $0^\circ$
- b)  $45^\circ$
- c)  $90^\circ$
- d)  $180^\circ$

8. Name another word for perpendicular

- a) normal
- b) bisector
- c) angle
- d) height

9. 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

10. 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

11. What are alternate angles?

- a) a pair of angles on the inner side of each of those two lines but on opposite sides of the transversal
- b) a pair of angles on the outer side of each of those two lines but on opposite sides of the transversal
- c) Both (a) and (b)
- d) None of these

12. Which tools are essential for geometrical construction?

- a) ruler
- b) compass
- c) pencil

- d) All of these
13. What is the function of a protractor?
- a) measuring angles
  - b) drawing angles
  - c) drawing lines
  - d) drawing circles
14. Which pencil is ideal for geometrical drawing?
- a) HB
  - b) 8B
  - c) 7H
  - d) 4B
15. What is the function of a pencil compass?
- a) scribing circles or arcs of circles
  - b) telling direction
  - c) navigation
  - d) None of these