



SUB-STRAND 4.2: GEOMETRICAL CONSTRUCTIONS

SECTION A: MULTIPLE CHOICE QUESTIONS (20 Marks)

1. Which instrument is used to construct angles?
   a) Ruler
   b) Protractor
   c) Compass
   d) Divider
2. The angle formed by a perpendicular line to another is:
   a) 30°
   b) 45°
   c) 90°
   d) 120°
3. To construct ∠60° without a protractor, we use:
   a) Compass and ruler
   b) Divider and ruler
   c) Set-square only
   d) Pencil only
4. Bisecting an angle of 90° gives:
   a) 45°
   b) 60°
   c) 30°
   d) 75°
5. Which of the following is NOT a step in constructing ∠120°?
   a) Draw a baseline
   b) Mark an arc from a point
   c) Construct ∠60° first
   d) Use a protractor
6. To construct an equilateral triangle, we need:
   a) Compass and ruler
   b) Protractor only
   c) Divider and set-square
   d) Compass and divider
7. A triangle with all sides equal is called:
   a) Isosceles b) Scalene
   c) Equilateral d) Right-angled
8. To bisect a line segment, you need:
   a) Compass and ruler
   b) Protractor
   c) Divider only
   d) Pencil only
9. Which of the following angles CANNOT be constructed exactly with compass and straightedge?
   a) 30° b) 45° c) 60° d) 40°



