

Technical English Examination

Student's Name:

Group N:

PART I: READING COMPREHENSION (8 points)

Read the following text carefully:

Geometry is a branch of mathematics that studies shapes, sizes, and positions of figures in space. A point is the most basic object in geometry. It has no size and represents a specific location. A line is a straight path that goes infinitely in two directions. A line segment is a part of a line with two endpoints. An angle is formed when two lines meet at a common point called the vertex. Angles are measured in degrees. A right angle measures exactly 90 degrees. An acute angle measures less than 90 degrees. An obtuse angle measures more than 90 degrees but less than 180 degrees. A square has four equal sides and four right angles. A triangle has three sides and three angles. The sum of all three angles in any triangle is always 180 degrees. Geometry is widely used in architecture, engineering, and computer graphics.

Answer the following questions :

Question 1: What is a point in geometry?(2 Pts)

Answer: A point is the most basic object. It has no size and represents a location.

Question 2: What is an angle?(2 Pts)

Answer: An angle is a figure formed when two lines meet at a common point (vertex).

Question 3: How many degrees does a right angle have?(2 Pts)

Answer: A right angle has 90 degrees.

Question 4: What is the sum of angles in any triangle?(2 Pts)

Answer: The sum of angles in any triangle is 180 degrees.

PART II: GRAMMAR PRESENT TENSES (8 points)

A. Choose the correct verb

1. A triangle (have / has) three sides and three angles. Answer: **has..... (1 Pt)**
2. Engineers often (use / uses) geometry to design buildings. Answer: **use..... (1 Pt)**
3. The architect (draw / is drawing) a new plan right now. Answer: **is drawing... (1 Pt)**
4. I (don't / doesn't) know the length of this line segment. Answer: **don't.....(1 Pt)**

B. Complete with Present Simple or Present Continuous

1. A circle always**has..... (1 Pt)**..... (have) 360 degrees.
2. Look! The two lines**are intersecting (1 Pt)**.... (intersect) at a single point.
3. We**are learning... (1 Pt)**.... (learn) about different types of triangles this week.
4. She ...**is measuring... (1 Pt)**.... (measure) the angle with a protractor at the moment.

PART III: TECHNICAL VOCABULARY (4 points)

Match each term with its definition:

Term	Definition
1. Vertex	a) A straight path with two endpoints
2. Line segment	b) The common point where two lines meet
3. Right angle	c) An angle that measures exactly 90 degrees
4. Acute angle	d) An angle that measures less than 90 degrees

1 → **b (1 Pt)** 2 → **a (1 Pt)** 3 → **c (1 Pt)** 4 → **d..... (1 Pt)**

GOOD LUCK.