FEDERAL UNIVERSITY OF TECHNOLOGY MINNA

SCHOOL OF ENVIRONMENTAL TECHNOLOGY

DEPARTMENT OF ARCHITECTURE

SECOND SEMESTER EXAMINATION

Course: Descriptive Geometry

Course Code: Arc. 123

Instructions: Answer All Questions

Time: Two and Half Hours

Name of Lecturer: Arc. Umar Ibrahim Adamu

Head of Department: Dr Philip Ayuba

1. ai. What is a polygon? (2marks)

   aii. List six types of polygons and their corresponding number of sides. (3marks)

   b. Using general method construct a pentagon with the side length being 3cm. (15marks)


2 a. What is an Ellipse? (5marks)

   b. Construct an Ellipse by auxiliary circle method, with the length of the major axis being 4cm and the minor axis being 2cm (15marks)


3 ai. What is a triangle? (2marks)

   aii. List three types of triangles. (3marks)

   b. Inscribe a circle into an equilateral triangle of base length 10cm. (15marks)