08/2

MINISTRY OF EDUCATION AND HUMAN RESOURCES DEVELOPMENT

SOLOMON ISLANDS SCHOOL CERTIFICATE

2017

DESIGN AND TECHNOLOGY

COMMON ASSESSMENT TASK – TECHNICAL DRAWING

QUESTION	CONTENT	MARK
1	Orthographic Drawing	35
2	Isometric Drawing	35
3	Oblique Drawing	30
	Total marks	100

INSTRUCTIONS TO CANDIDATES

1. This Common Assessment Task consists of two questions.
2. All two questions are compulsory.
3. You can do these questions for a period of ONE week. Your teacher will give you details of this.
4. Do your drawings on the A3'(297 x 420) Blank Sheets of paper provided.

THIS BOOKLET CONTAINS 4 NUMBERED PAGES.

QUESTION 1: ORTHOGRAPHIC PROJECTION (35 MARKS)

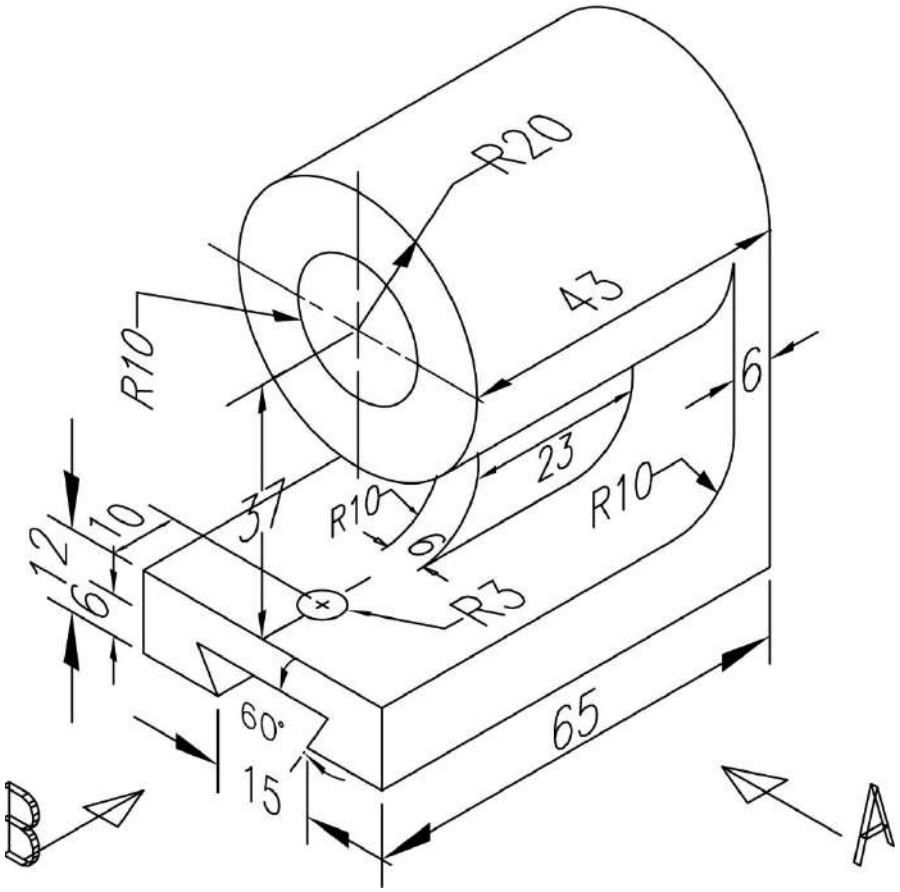
There are two parts in this question. You should answer Part A on a separate sheet of A3 paper which should be given to you. Part B should be answered on a separate A4 paper.

PART A – 30 Marks

Use the drawing of the Sliding Bracket Support below to draw the following views in "Third Angle" projection.

A. A Front view from **A.**
B. An End view from **B.**
C. A Top view.
D. Show all the major dimensions in your drawing.
E. Show on your views the principle plane lines. You should use continuous thick line for this.

(Scale 1:1)



PART B – 5 Marks

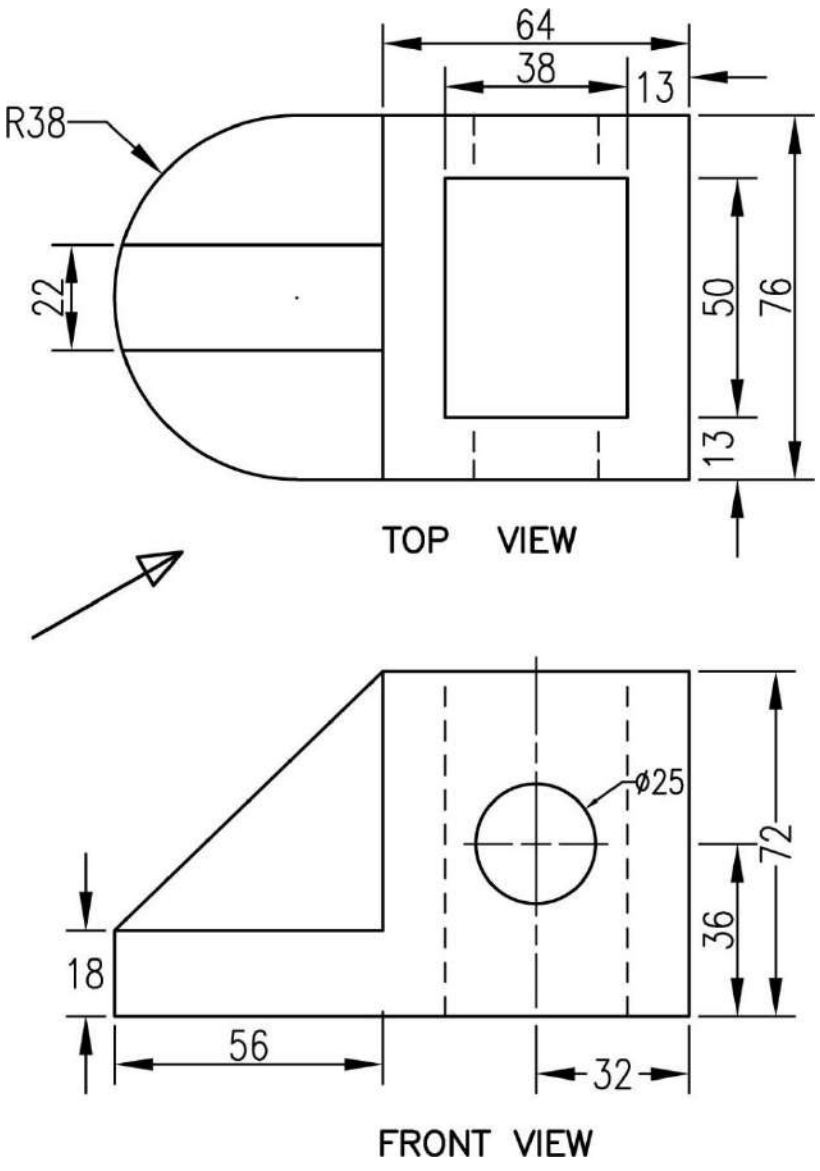
Explain the difference between "First Angle" and "Third Angle" projection. Use the dihedral box comparison method to help with your answer. (100 – 200 words) Use Separate A4 paper to answer Part B

QUESTION 2: ISOMETRIC DRAWING (35 MARKS)

Draw an Isometric projection of the Lug Support shown below when looking in the direction of the arrow. Use A3 paper to answer this question

(Scale 1:1)

All measurements in millimetres.



QUESTION 3 OBLIQUE DRAWING (30 MARKS)

Using the drawing of the Block below, make an Oblique Drawing when looking in the direction of the arrow. Use A3 paper to answer this question.

A. Show all the major dimensions in your drawing.