



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

SECOND YEAR FIRST SEMESTER EXAMINATIONS

MAIN EXAMINATION

**FOR THE DEGREE OF
BACHELOR OF SCIENCE IN GEOSPATIAL INFORMATION SCIENCE (GIS)**

COURSE CODE: DPG 203

COURSE TITLE: ENGINEERING DRAWING II

DATE: 18/12/2023

TIME: 8-10AM

INSTRUCTIONS TO CANDIDATES

Answer Question **ONE** any other **2** questions.

All candidates are expected to have a full set of drawing instruments.

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 3 Printed Pages. Please Turn ~~Over~~

SECTION 1: COMPULSORY {30 MARKS}

QUESTION ONE

- a) Prepare the title block having all necessary information required to any examination booklet. (15marks)
- b) The **Figure Q1.b** shows an Isometric block. Draw the isometric block to a scale 1:1 (15marks)

SECTION II: ATTEMPT ANY OTHER TWO (2) QUESTIONS {40 MARKS}

QUESTION TWO

A cylinder $\text{Ø}50\text{mm}$ and 70mm axis completely penetrated by another of $\text{Ø}40\text{mm}$ and 70mm axis horizontally. Both axes intersect and bisect each other. Draw the views and project the curves of intersections (20marks)

QUESTION THREE

A regular hexagonal pyramid of side of base 30mm and height 60mm is resting vertically on its base on HP such that two of the sides of the base are perpendicular to VP. The cutting plane bisects the axis of the pyramid. Obtain the development of the lateral surface of the truncated pyramid (20marks)

QUESTION FOUR

Figure Q4 shows an Isometric block with a cutting plane **A-A** as shown. A cutting plane **B-B** not shown intersects **A-A** at the centre perpendicularly. Draw full sectional views for **A-A** and **B-B** in 1st Angle Projection (20marks)

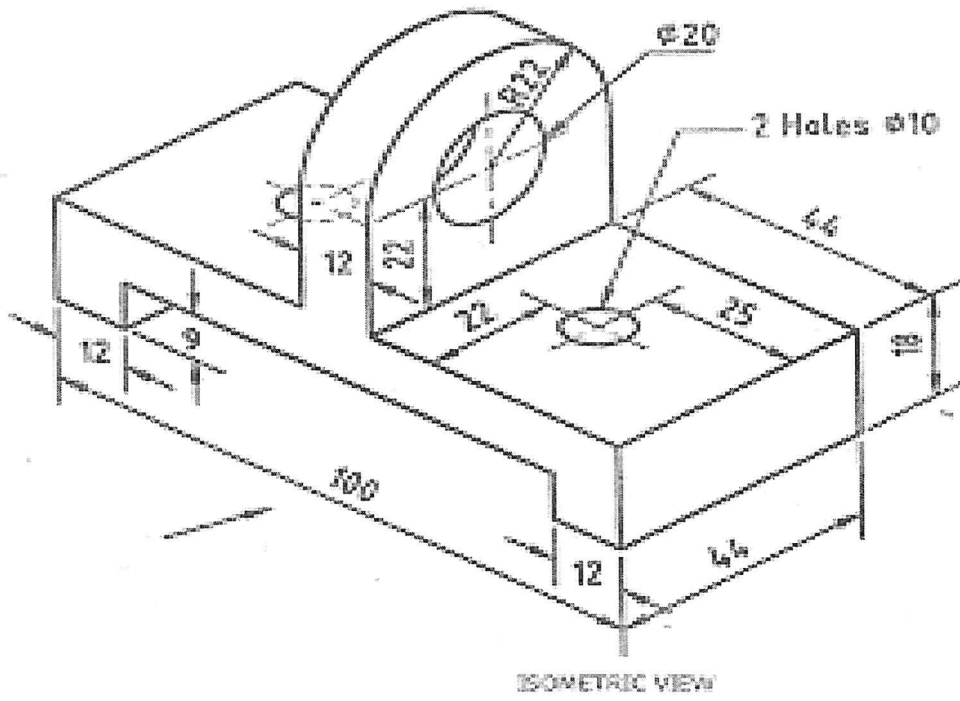


FIGURE Q1.b

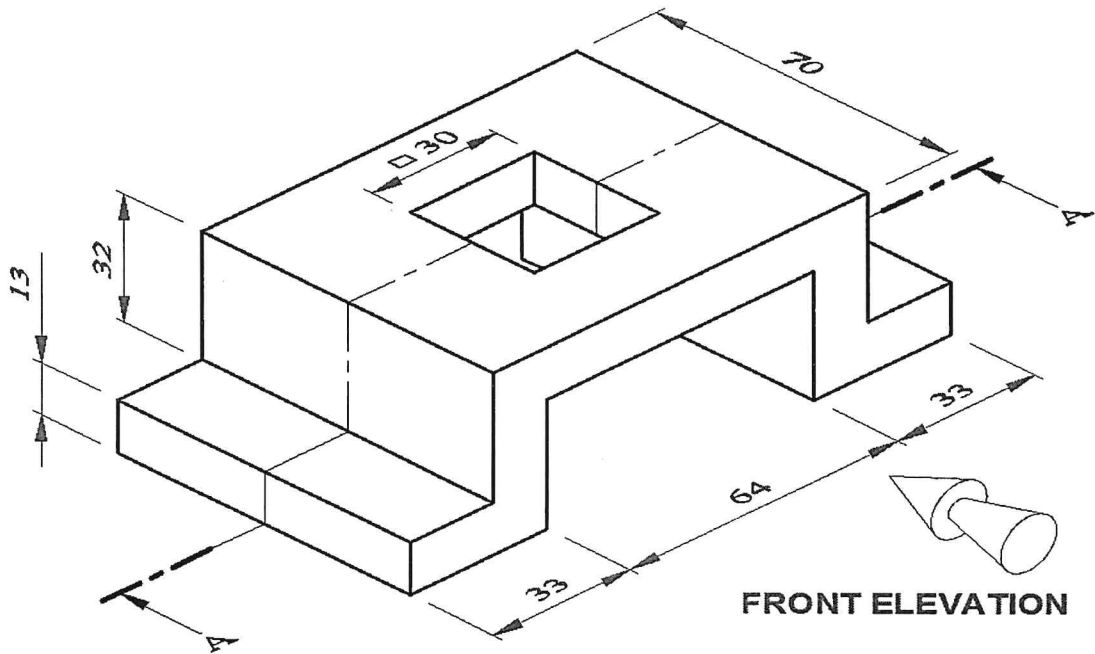


FIGURE Q4

-END-

