40

(*University of Choice*)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DEGREE

OF

BACHELOR OF TECHNOLOGY EDUCATION

COURSE CODE: TEC 201

COURSE TITLE: TECHNICAL DRAWING II

DATE: 5/12/2022 **TIME: 8.00-11.00AM**

INSTRUCTIONS

- Answer questions 1, **2** and any other **one** questions.
- All dimensions are in mm unless otherwise stated.

Time : 3 hours.

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 3 Printed Pages. Please Turn Over

QUESTION ONE

Fig. Q1 shows views of a machined block in 1st angle orthographic projection. To a scale of 2:1 copy the front and plan and then

(a) project the first auxiliary view in the direction of arrow **X,** 45^0
(b) Project the secondary auxiliary projected from the top of first auxiliary (a) above.

(40 marks)

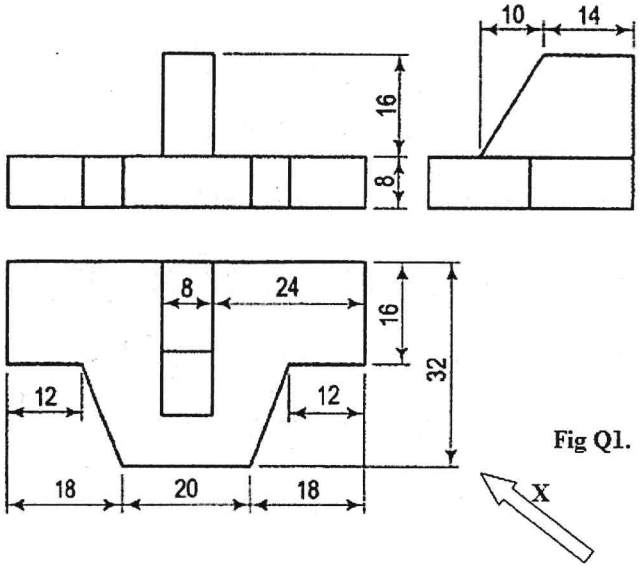

Fig Q1.

Question Two

Fig Q2 shows views of a shaped block, draw the block in oblique projection with face A being in the fore front and receding towards the left. (25 marks)

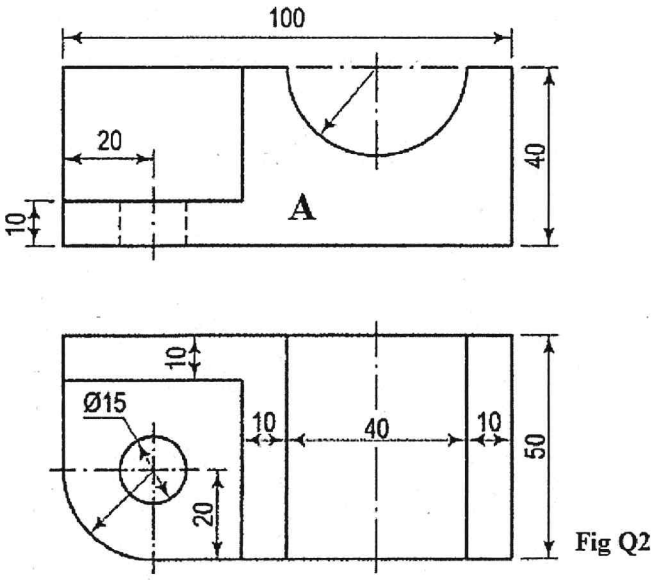

Fig Q2

Question Three

Views of a wheel barrow trough are given in fig. Q3. Construct the surface development of the trough including the bottom. (15 marks)

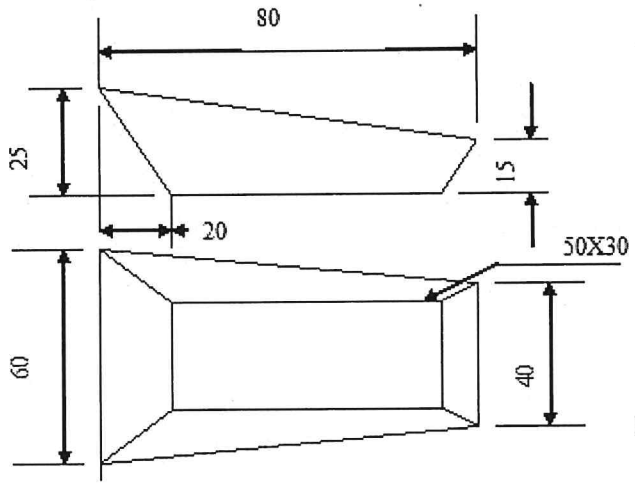

FIG.Q3

Question Four

Fig. Q4 shows a link with a slider **P**. The link **OA** rotates about **O**, in that in one complete rotation of **OA**, slider **P** moves from location **1** to **2** and back to **1**. Plot the locus traced by the slider for one rotation of **OA**.

(15 marks)

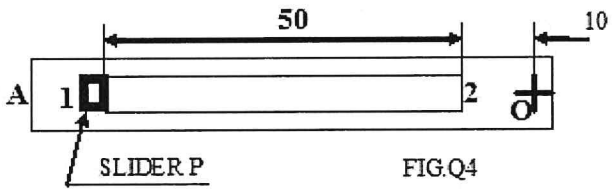

FIG.Q4