

GENERAL CERTIFICATE OF EDUCATION BOARD

Technical and Vocational Education Examination

JUNE 2021

ADVANCED LEVEL

Specialty Name (Specialty Acronym)	WOOD CABINET-MAKING (WCM)MEB
Subject Title	FURNITURE DESIGN AND DRAWING
Subject Code No.	7490
Paper No.	2

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DURATION: THREE HOURS

INSTRUCTIONS TO CANDIDATES

Answer all Questions

Calculators are allowed

*You are reminded of the use of drawing instruments and orderly presentation in your answers.*

*You are advised to read carefully through the question paper, before you begin your answers.*

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## DESCRIPTION

The sketch on page 3 below represents a **MOBILE UNIT** to be used in the Hospital to displace first aid items such as scissors, bandages among others. Castors are provided to ease its movement from one patient's bed to the other in the same ward.

This cabinet comprises of three compartments.

- The upper compartment has a drawer that slides on runners. The sides, back and front are joined with the aid of a box joint.
- The middle compartment is just an open shelf to place other accessories.
- The lower compartment has two panel shutters. It is divided vertically in to two parts and the left side has a shelf which further divides it horizontally. The sides are covered with raised panels and the back with 5mm plywood fitted in grooves.

## TECHNICAL INFORMATION

### DIMENSIONS

- Legs 40×40
- Top 600×450×30
- Thickness of other members 25
- Rails 50×25
- Overall dimension:
  - length = 600
  - width = 450
  - height = 900
- Shutter: stiles and rails = 50×25
- Panel thickness = 25
- Drawer:
  - Thickness of sides and back = 20
  - Front = 25
  - Bottom = 5mm thick plywood
- The shape and design of the panel, shutters and all other dimensions not mentioned is left to the discretion of the candidate, who should respect drawing standards.

### WORK REQUIRED

On an A<sub>3</sub> horizontal, position draw:

- i. The front elevation to scale 1:10 (15 marks)
- ii. The side view to scale 1:10 (12 marks)
- iii. Section A:A to scale 1:5 (15 marks)
- iv. Complete dimension (5 marks)
- v. Presentation. (3 marks)

