



**UNIVERSITY OF EDUCATION, WINNEBA
INSTITUTE FOR TEACHER EDUCATION AND CONTINUING
PROFESSIONAL DEVELOPMENT (ITECPD)**



END OF FIRST SEMESTER EXAMINATIONS, APRIL, 2024

**LEVEL 300
COURSE CODE: JBH 354
COURSE TITLE: WOOD TECHNOLOGY II**

TIME ALLOWED: 2 HRS

STUDENT'S INDEX NUMBER:

Visit: COLEMANPUBLICATION.COM FOR MORE

GENERAL INSTRUCTIONS:

- This paper is made up of ONE SECTION.
- The Section is made up of five essay type questions.
- Answer any THREE questions in your answer booklet.
- Each question carries equal marks. You are expected to start each question on a new page.
- You are expected to hand over your answer booklet to the invigilator before you leave the examination hall.

Instruction: Answer any three (3) questions in the answer booklet provided.

Question 1

A. Group the following cutting tools using the table below. [5 marks]

Fillister plane, spokeshave, surfacer, scribe gouge, plough plane, crosscut saw, jack plane, firmer chisel, tenon saw, coping saw.

Abrading Tools	Paring Tools	Shaving Tools

B. Why should the woodwork shop be well ventilated? List three (3) reasons. [6 marks]

C. Describe the following forms of ventilation [6 marks]

- i. Through ventilation
- ii. Cross ventilation
- iii. Back-to-back ventilation

D. Differentiate between holding tools and assembling tools. [3 marks]

Question 2

A. Supposing you are to construct a carcass, given solid boards. List two (2) joints you will recommend for

- i. The top if the end grains are not to be shown. [2 marks]
- ii. The bottom [2 marks]
- iii. The shelves and partitions [2 marks]

B. Sketch in 3D, the exploded view of the top joint listed in question 2Ai. [6 marks]

C. State one (1) cutting tool that you will use for the construction. [2 marks]

D. As a wood technologist, explain three (3) Safety precautions to be observed when constructing the carcass. [6 marks]

Question 3

As a wood technologist, you have been assigned to use solid board to manufacture shoe rack to be used indoor.


- i. Provide the operational sequence with its associated tools to aid you in the manufacturing process. [16 marks]
- ii. State two (2) joints you will use in your construction. [2 marks]
- iii. State the type of finish you will use in your construction and the reason for your choice. [2 marks]

VISIT: COLEMANPUBLICATION.COM FOR MORE

Question 4

- A. Write three (3) merits of applying finishes on wood artefacts. [6 marks]
- B. In assembling why is it necessary to try assembly before permanent assembly. [2 marks]
- C. Suggest three (3) different forms of teaching learning resource (TRLs) you would use to teach "measuring and marking out tools" in Career Technology at Junior High School Basic 7. [6 marks]
- D. Distinguish between a materials and a tool with examples [6 marks]

Question 5

- A. List three (3) key steps for preparing wood for finishing. [3 marks]
- B. With the aid of neat sketches distinguished between..... [3 marks]
- i. Widening joint [3 marks]
 - ii. Angle joint/box joint and  [3 marks]
 - iii. Framing joint [3 marks]
- C. Write four (4) main procedures that will help you extinguish fire in the woodwork shop. [4 marks]
- D. List four (4) contents of the first aid box. [4 marks]

VISIT: COLEMANPUBLICATION.COM FOR MORE

