



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



END OF SECOND SEMESTER EXAMINATIONS, OCTOBER, 2024

LEVEL: 400

COURSE CODE: JBH 483

COURSE TITLE: WOOD TECHNOLOGY III

TIME ALLOWED: 2 HRS

STUDENT'S INDEX NUMBER: _____



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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 will need manuscript sheets for this paper.*
- *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.

Q1

A.

- Provide a practical meaning of term *plastic memory* as one of the behaviours of plastics **(4 marks)**
- Plastics have many advantages as compared to timber. State any **four (4)** of the advantages. **(4 marks)**

- B. As a wood worker, you need to protect yourself from accident. In what **four (4)** ways would you protect yourself when applying contact adhesive?
(4 marks)
- C. Adhesives play very important role in the production of artefacts. what **four (4)** properties do P.V.A have over contact glue?
(8 marks)

Q2

- A. Describe the two groups of finishes as used in the furniture industry with one example each.
(6 marks)
- B. Paint as surface finish is composed of many components. Explain four components that a paint has.
(8 marks)
- C. As a wood Technology student, explain any **three (3)** reasons why a wood worker has to use sanding sealer on a wood surface.
(6 marks)

Q3

- A. There are many wooden artefacts used in our domestic homes. State any **four (4)** outdoor furniture used in domestic home.
(6 marks)
- B. As a wood Technology student, explain **three (3)** ways how you will care and maintain for wooden artefacts in school environment.
(6 marks)
- C. The teaching of practical lessons requires a lot of teaching and learning resources. Outline **eight (8)** Teaching and Learning Resources for practical teaching of woodwork
(8 marks)

Q4

- A. Safety precautions are preventive measures taken to protect or avoid injuries in the workshop. Discuss any **four (4)** safety precautions you should observe when working on plastic materials.
(4 marks)
- B. Different types of adhesives are used in the wood work industry. As a wood technology student, what **four (4)** factors will you consider in choosing an appropriate adhesive for a particular job
(4 marks)

C. Outline in details any **four (4)** steps a woodworker will follow when applying varnish to give a good surface finish. **(8marks)**

Q5

A.

i. Emulsion paint is mixed with water and oil paint is also mixed with turpentine or Thinner before applying onto a surface. What term would you use to describe the water, turpentine or thinner? Explain this term **(3 marks)**

ii. Enumerate **three (3)** examples of solvents as applied in finishing of artefacts **(3 marks)**

B. You are to teach sanding in a JHS three class. Demonstrate four steps you will employ for the students to understand the sanding operation. **(8 marks)**

C. State three (3) wooden artefacts each used in churches and mosques. **(6 marks)**



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