

FEDERAL UNIVERSITY OF TECHNOLOGY MINNA,
DEPARTMENT OF INDUSTRIAL AND TECHN. EDUCATION.
SECOND SEMESTER EXAMINATION 2012/2013.

COURSE CODE: WWT 221

COURSE TITLE: WOOS SCIENCE II

TIME ALLOWED: 2 HOURS

INSTRUCTION: ATTEMPT ANY FOUR ³(4) QUESTIONS

1. a. Explain briefly the term built-up material
b. list four (4) examples of physical properties of wood
c. Identify and explain four (4) parts of a living tree
2. Explain in detail the following wood strength properties support your answer with sketches where necessary
 - a. Tensile strength
 - b. Compressive
 - c. Shearing strength
3. a. What do you understand by wood resistance to decay?
b. briefly explain the following terms as applied to wood sciences.
 - i. vessels
 - ii. Pores
- c. what is the function of protoplasm in the cell of a living tree
4. a. Identify with arrow sketches only, the production processes of particle board.
b. list three (3) sources of raw material for making hardboard and particle board
c. what is wood resistance to identification *identification?*
5. a. give the full meaning of the following abbreviations
 - i. DD or D2s
 - ii. E.M.C
 - iii. K.d
 - iv. M.C
 - v. A.D
- b. tabulate to show ³each of artificial and natural wood defects
c. what is a timber ³?