

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF TECHNOLOGY EDUCATION

DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION

SECOND SEMESTER EXAMINATION, 2012/2013 ACADEMIC SESSION

COURSE CODE: WWT 521

COURSE TITLE: Tools and Devices

TIME: 2 HOURS

INSTRUCTION: Attempt three questions only

- 1a. Explain the operations carried out by circular saw machines.
 - b. How is a circular saw machine be operated?
 - c. List five safety precautions to be observed when using circular saw machine.
- 2a. What is a buzzer?
 - b. List eight parts of a buzzer and explain their functions.
 - c. why do we need to plan wood in the direction of the grain? Why is it necessary to use push stick when planing?
- 3a. What are the functions of a thicknesser?
 - b. Explain how a thicknesser operated to carry out a particular operation.
 - C . List eight safety precautions to be observed when using thicknesser
- 4a. List the three main types of electric hand drill and discuss them
 - b. Explain the procedure to be followed when drilling a hole with electric hand drill.
- 5a. What are the functions of electric jigsaw machine?
 - b. State the procedures for using electric jigsaw machine
 - c. Describe electric jigsaw machine.