

**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**

**DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION**

**SECOND SEMESTER EXAMINATION 2020/2021 SESSION**

**COURSE CODE: ITE 501      COURSE TITLE: TOOLS AND DEVICES**

**INSTRUCTION: Answer three questions only**

**Time: 2hours**

1(a) What is a machine tool?

(b) Explain the word "safety" with reference to wood workshop.

(c) List ten general machine woodworking safety.

2(a) Mention a wood item or wood article produced by you and explain the steps (sequence) followed in its construction.

(b) List five safety precautions observed when carrying out the above construction.

3 (a) What do you understand by "Woodworking machines"?

(b) Distinguish between individual machines and combination machines.

(c) Describe a thicknesser.

4 (a) Describe circular saw machine.

(b) Explain the principles of operation of a circular saw machine

(c) List five safety precautions to be observed when using the machine.

5 (a) What role does bandsaw machine plays in woodworking?

(b) list five parts of a bandsaw machine and explain their functions.

(c) Discuss the functions of electric hand drill and list three types of electric drill.