

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF SCIENCE AND TECHNOLOGY EDUCATION
DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION
FIRST SEMESTER EXAMINATION 2022/2023 ACADEMIC SESSION
COURSE CODE: ITE 591
COURSE TITLE: MAINTENANCE OF WOODWORKING EQUIPMENT
TIME: 2HOURS
INSTRUCTION: ATTEMPT THREE QUESTIONS

- 1a. Explain the following: (i) planned maintenance (ii) preventive maintenance
(iii) Routine maintenance (iv) Design out maintenance
b. Explain how the following hand tools can be maintained.
(i) Chisel (ii) dividers (iii) punches (iv) vice (v) wrenches
- 2a. Discuss the two distinct operations necessary to produce keen cutting edge
b. Explain how to sharpen a saw use for cutting across the grain
- 3a. List tools used for reconditioning a circular saw blade using manual method (hand).
b. Explain the procedures to be followed in reconditioning a circular saw blade.
- 4a. Why do we grind jointer knives sometimes before honing?
b. Explain how jointer knives can be honed.
- 5a. Identify a woodworking machine and explain the guides to dismantling of such a machine.
b. Explain how woodworking machines can be installed.