

DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION
SCHOOL OF SCIENCE AND TECHNOLOGY EDUCATION
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
END OF SEMESTER EXAMINATIONS 2019/2020

COURSE: ITE 591: Maintenance of woodwork equipment - 2 units. Time Allowed: 2 hours

INSTRUCTIONS: Answer **any four** questions. Each question attracts 15 marks

- Q1. a) Define the term maintenance. (5mks)
b) State and explain **three types** of maintenance (10mks)
- Q2. There are reasons for carrying out maintenance of tools and equipment. State and discuss the **three reasons** for maintenance. (15mks)
- Q3. a) Overheating may result during normal use of machine or equipment. State **three causes** each of overheating resulting from:
i. Mechanical causes, and (5mks)
ii. Electrical causes (5mks)
b) What is trouble shooting in relation to maintenance? (5mks)
- Q4. Most machine tools develop faults during their normal life span; enumerate and explain **three common causes** of faults that occur to machine tools. (15mks).
- Q5. Discuss **any two** of the following maintenance strategies: (7.5mks each)
i. Fixed time maintenance
ii. Opportunity maintenance
iii. Condition based maintenance
- Q6. a) It is important to prepare and maintain an inventory in a workshop. State and explain **any three** important workshop inventories. (15mks)