

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION
FIRST SEMESTER EXAMINATION
2019/2020 SESSION

Course Title: Electrical Workshop Practice

Course Code: I T E 552,

Credit Units: 2 units

Time Allowed: 2 hours

Instructions: Answer any four questions

1. (a.) What is an electrical workshop?
(b.) State and explain with examples the two major causes of electrical workshop accidents.
2. (a) List and discuss any five important factors to be considered in the planning of an electrical workshop.
(b) What is the full meaning of the following abbreviations?
(i.) NEC, (ii.) AEDC, (iii.) OSHA, (iv.) COREN, (v.) ELCB
(vi.) PHCN, (vii.) NEPA, (viii.) IEEE, (ix.) IET, (x.) NSE
3. (a.) State any five principles that could be adopted in the management of electrical workshop equipment and tools.
(b.) Mention any three groups of Occupational hazards
4. (a.) Explain any two main hazards envisaged when working with electrical/electronic Equipment
(b.) State any three precautions that can be taken to prevent workshop accidents.
5. (a). Define the concept of educational management and organization.
(b). What is the function of thermostat in an electrical appliance?
6. Explain the protective equipment used for the following parts of the body:
Eye and face; Head; Ears; Hands and arms