FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF INDUSTRIAL AND TECHNOLOGY EDUCATION
FIRST SEMESTER EXAMINATION
2022/2023 SESSION

Course Title: Electrical/Electronic Workshop Practice
Course Code: ITE 552
Credit Units: 2 units
Time Allowed: 2 hours
Instructions: Answer any four questions

1. (a.) What is an electrical workshop?
   (b.) List and discuss any five important factors to be considered in the planning of an electrical workshop.
   (c.) What is the full meaning of NEC? What is the purpose of its production?
2. (a.) With the aid of suitable diagram, explain how a teacher can delegate responsibility to the students
   (b.) Discuss in detail the major causes of electrical workshop accidents.
   (c.) State how these accidents could be controlled.
3. (a.) State and explain any six duties of instructors in the prevention of accidents in electrical workshop.
   (b.) State any five principles that could be adopted in the management of electrical workshop equipment and tools.
   (c.) Define safety.
4. (a.) Explain any two hazards envisaged when working with electrical/electronics equipment.
   (b.) State any ten workshop safety rules and regulations.
   (c) Explain the function of a thermostat in an electrical appliance,
5. (a.) Discuss the characteristics of a good workshop instructor.
   (b.) State and discuss any three dangerous personal habits that are harmful to not only the perpetrator but also to other workers.
6. (a.) Show in a tabular form, the colour and where the following types of fire extinguisher are applied:
   (i.) Water
   (ii.) Foam
   (iii.) Dry Chemical
   (iv.) Carbon Dioxide
   (v.) BCP
   (b.) State three examples each of unsafe acts and unsafe habits in the workshop