

**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**INDUSTRIAL AND TECHNOLOGY EDUCATION DEPARTMENT**  
**FIRST SEMESTER EXAMINATION 2020 / 2021 SESSION**  
**BUILDING CONSTRUCTION II ITE 231**

**Attempt Only 2 Questions in Section A and All Questions in Section B**  
**Time Allowed: 1 Hour 30 Mins.**

**SECTION A**

1. Write a short note on any 2 temporal structures used in building construction sites:
  - a. Shoring
  - b. Formwork
  - c. Scaffolding
  
2. Bar bending schedule is very important in structural designs and drawings for the production of reinforced concrete works. Answer the following questions with reference to question 2 above:
  - a. Itemize 5 information that should be contained in a bar bending schedule.
  - b. List 3 types of reinforcement bars.
  - c. Mention 2 precautionary measures to be observed when bending reinforcement bars.
  - d. When laying out reinforcement bars, how do you ensure that they are firmly held in position during casting of concrete?
  
3. Write short note on accident in a building construction site, its prevention and the provision of first aid treatment guided by items 3a-d:
  - a. Define the term accident in the context of construction site.
  - b. Mention 5 major classification of causes of accident.
  - c. Briefly describe a first aid box, its content and application.
  - d. Recommend 5 possible ways to minimize accident on construction sites.