

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
INDUSTRIAL AND TECHNOLOGY EDUCATION DEPARTMENT  
FIRST SEMESTER EXAMINATION 2020 / 2021 SESSION  
BUILDING SERVICES ITE 531

Attempt any all questions Time Allowed: Two Hours

- 1a. Briefly explain the difference between the cesspool and septic tank drainage, stipulating when the use of the former is of greater advantage than the later.
- b. Local water authority, before distributing water to residential buildings takes into consideration certain factors. Mention 5 of such.
- c. Write short note on the following terminologies
  - i. Sewerage
  - ii. Access chamber
  - iii. Sanitary drainage systems
  
- 2a. Briefly describe the operation of an elevator in a multistorey building.
- b. List the 4 types of elevators and 3 basic components of a standard lift.
- c. Mention 3 advantages and 3 disadvantages of using lifts in a multistorey commercial building located in Lagos, Nigeria.
  
- 3a. Identify 4 strategies/ devices that can be used to improve the security of the building and its occupants.
- b. Define fire load in the context of this subject.
- c. As a builder recommend 5 fire safety requirements for a proposed 8 storey building in Aba, Nigeria.
  
- 4a. Mention 3 main sources of power generation in Nigeria.
- b. Briefly explain the acronym PASS as applied in fire extinguisher.
- c. List and explain 4 major processes of sourcing power for consumption in buildings