

Federal University of Technology Minna
Industrial and Technology Education Department
First Semester Examination 2022/2023 Session
500 Level Building Services ITE 531
Attempt 3 Questions only. Time Allowed 2 Hours

1a. Write a short note on the operations of an elevator in multistorey buildings. Also, list 4 types of elevators and 5 basic components of a standard lift.

b. Mention 3 advantages and 3 disadvantages of using lifts in a highrise commercial building located in Lagos, Nigeria.

2a. Electricity is generated from different sources, list 3 main sources of power generation in Nigeria.

b. Household electrical appliances consumes current, briefly explain the processes involved in sourcing power for the functioning of the appliances.

3a. In Nigeria today, security threats to lives and property in and around the building is a challenging issue. As a builder identify 4 major categories of these threats and briefly describe 3 main approaches to solving this problem.

b. Water supply system to buildings is majorly 2. Briefly describe each noting 2 advantages and 2 disadvantages.

4a. the drainage system functions effectively when certain principles are adhered to at the design and construction stages. State 5 of these principles.

b. with the aid of a neat sketch [Line diagram] show the difference between 2 major drainage systems and describe how they operate.