



NATIONAL OPEN UNIVERSITY OF NIGERIA  
Plot 91, Cadastral Zone, University Village, Nnamdi Azikiwe Expressway, Jabi, Abuja  
**Faculty of Education**  
**Department of Science Education**  
2025\_2 EXAMINATIONS\_

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**Course Code: SED835**

**Course Title: Laboratory Design and Management**

**Course units:3C**

**Time :3hours**

**INSTRUCTION: Answer question one (1) & any other Three (3) questions from the options provided.**

### QUESTIONS

- 1a. Based on your knowledge on the laboratory design and management describe any two glassware hazards.
- b. Explain briefly 4 causes of accidents in the laboratory.
- c. How can you differentiate between a fixed and flexible design?
  
- 2a. Having honored the invitation of the association of the science teachers in your locality put  
a brief presentation on workstation in a modern laboratory design.
- b. Outline any six major problems associated with the use of computers in school.
- c. Explain any four general features of first aid procedures.
  
- 3 a. Describe the use of fire blankets and foam extinguisher.
- b. As a student in search of knowledge, briefly state five steps involved in retrieving information from the library.
  
- 4 a. Explain the major duties of the head of science department.
- b. State the difference between the duties of a laboratory technician and a laboratory assistant.
- c. List any five general guidelines for storage procedures.
  
5. Based on your experience as a biology science teacher, briefly discuss some common dangers in the laboratory.