



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_

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.