



**NATIONAL OPEN UNIVERSITY OF NIGERIAN**  
**91 Cadastral zone, Nnamdi Azikiwe Expressway, Jabi, Abuja**  
**DEPARTMENT OF SCIENCE EDUCATION**  
**FACULTY OF EDUCATION**  
**2025\_2 EXAMINATIONS**

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**COURSE TITLE: SCHOOL SCIENCE LABORATORY**

**Credit Unit: 2 unit**

**COURSE CODE: SED324**

**Time: 1 hour 30 minutes**

**Instruction: Answer three questions only. Question One (1) is compulsory and any other two**

**Question 1**

- A. Describe a laboratory (2mks) and the various shapes of the school laboratory(4mks)  
6 marks
- B. Compare the laboratory space in the fixed and flexible design? 5marks
- C. List five (5) problems facing the use of computer in schools. 5marks
- D. Mention five (5) personal protective devices the science teacher should wear?  
5marks
- E. Mention the nine classes of hazardous chemicals as stated by (IGNOU 2001) 5 marks

**Question 2**

- A. With the aid of a diagram, explain the easy flow of materials detailing the description of the main store and bulk store in your writing? 10 marks
- B. Explain how faulty workmanship can lead to accident in the laboratory? 10 marks

**Question 3**

- A. Define the term "First aid"(2mks) and state three major objectives(3mks) 5marks
- B. List any five (5) minimum content of a first aid box? 5 marks
- C. Mention 10 general preventive measures you would take to prevent accident in the science laboratory? 10 marks

**Question 4**

- A. Discuss the need rules and regulations in the laboratory. 10 marks
- B. Mention 10 rules that must be followed while working in the laboratory? 10 marks