



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
Plot 91 Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja.  
**FACULTY OF EDUCATION**  
**2022\_2 POP EXAMINATION**

**COURSE CODE: SED324**  
**COURSE TITLE: SCHOOL SCIENCE LABORATORY**  
**CREDIT UNIT: 2**  
**TIME ALLOWED: 2 HOURS**  
**INSTRUCTION: ANSWER QUESTION ONE AND ANY OTHER TWO**

- 1ai. What is first aid? **(5 marks)**
- ii. Explain the First Aid treatment you can give to your students who is involved with shock in the laboratory. **(6 marks)**
- b. Identify five (5) laboratory apparatus from the picture below. **(10 marks)**



- c. List 3 safety devices for staff and describe their uses. **(9 marks)**
- 2a. As science teacher in a newly established science school. What are your roles in the school laboratory? **(3 marks)**
- bi. List 3 types of hazards in the science laboratory **(6 marks)**
- ii. Draw the hazard signs to show corrosive, glassware and ionizing radiation. **(6 marks)**
- c. Briefly discuss five problems associated with the use of computers in schools **(5 marks)**
- 3a. Look at the picture below. How can you describe the design of the workstations (tables) and working environment? **(4 marks)**



- bi. List 3 safety devices for staff and describe their uses. **(6 marks)**
- ii. Identify five (5) classes of fire that are related to science laboratory and their natures **(5 marks)**
- c. There are rules and regulations for the laboratory staff and attendants in your school to follow in order to avoid laboratory accidents. List ten (10) of them **(5 marks)**
  
- 4ai. Explain the construction of an improvised Aquarium **(5 marks)**
- ii. What are the likely limitations in constructing Aquarium? **(5 marks)**
- b. What are the advantages of this improvisation? **(5 marks)**
- c. The picture below is a modern science laboratory. List and describe five features from the system. **(5 marks)**

