



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi- Abuja  
**FACULTY OF EDUCATION**  
**DEPARTMENT OF SCIENCE EDUCATION ...**

COURSE CODE: **SED324**

COURSE TITLE: **SCHOOL SCIENCE LABORATORY**

CREDIT UNITS; **2**

INSTRUCTIONS: **ANSWER QUESTION 1 AND ANY OTHER 2 QUESTIONS.**

TIME: **2Hrs**

1. (a) As a science teacher discuss **ten (10)** roles you are expected to perform in a school.  
**10 marks**
- (b) The appointment of Head of department of science should be based on in-depth comprehension of the roles expected to play. Justify this assertion. **10 marks**
- (c) What are the characteristics of a well-organized storage system in the laboratory?  
**10 marks**
2. Write briefly on the major requirements in the design of a preparatory room, outlining its basic contents. **20 marks**
3. (a) Describe the features of the modern fume cupboard. **10 marks**
- (b) Explain why the power lab 8 is the preferred choice in terms of surface and furniture.  
**10 marks**
4. (a) Provide a justification for the seeming superiority of the Power lab 8 laboratory design to the flexible laboratory design. **10 marks**
- (b) What are the benefits of siting school laboratory in the same block with other science laboratories? **10 marks**