



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**