



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91 Cadastral Zone, Nnamdi Azikwe Express Way, Jabi, Abuja.
FACULTY OF EDUCATION
2020_1 Semester

COURSE CODE: **SED324**

COURSE TITLE: **SCHOOL SCIENCE LABORATORY**

CREDIT UNITS; 2

TIME: **2Hrs**

INSTRUCTIONS: ANSWER QUESTION 1 AND ANY OTHER 2 QUESTIONS.

- 1.**
 - a. What is school laboratory? **2 MARKS**
 - b. With respect to the domains of learning, design a typical score sheet for assessing students' overall performance in the laboratory. **9 MARKS**
 - c. As a science teacher, you have been called upon to make inputs in the plan to build a science laboratory in your community secondary school. Probe critically, the factors to consider before embarking on the project. **10 MARKS**
 - d. Outdoor laboratories have been praised for being less expensive with lots of space for student-teacher interaction; justify the emphasis by authorities on having a building. **9 MARKS**

- 2.**
 - a. As a science teacher, describe your responsibilities in the laboratory. **10 MARKS**
 - b. To fight fire outbreak successfully in the laboratory, science teachers must be acquainted with certain basic firefighting principles. Briefly highlight any five (5) of such principles. **10 MARKS**

- 3.**
 - a. As the head of science department in your school, explain to a newly employed laboratory technician the procedures for storage of valuables in the laboratory. **12 MARKS**
 - b. Justify the assertion that "prevention is better than treatment" as regards accidents in the school laboratory. **8 MARKS**

4. a. Science laboratories contain a variety of harmful chemicals. Analyze any seven (7) classes of such hazardous materials, pointing out at least 2 examples for each. **14 MARKS**
- b. Identify six (6) sources of fire directly related to the laboratory. **6 MARKS**