

NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESS WAY, JABI-
ABUJA

FACULTY OF EDUCATION
JANUARY/FEBRUARY2017_2EXAMINATION

CREDIT UNITS; **2**

TIME: **2Hrs**

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

QUESTION:

COURSE CODE: **SED324**

COURSE TITLE: **SCHOOL SCIENCE LABORATORY**

1.

- a. Using three points, rationalize on the emphasis on Science Laboratory. **6 MARKS**
- b. In what areas is students' performance in the laboratory assessed? **9 MARKS**
- c. As a Science teacher, you have been called upon to participate in setting up a school laboratory. Discuss 5 factors you will consider. **10 MARKS**
- d. An accident has just occurred in the laboratory. Describe procedurally, five things you should do. **5 MARKS**

2.

- a. What five roles does the science teacher play in the school laboratory? **10 MARKS**
- b. Briefly discuss 5 principles of firefighting. **10 MARKS**

3.

- a. Explain any 6 guidelines in laboratory storage procedures. **12 MARKS**
- b. Enumerate 8 measures of preventing accidents in the laboratory. **8 MARKS**

4.

- a. Discuss 6 classes of hazardous chemicals giving at least 2 examples for each. **12 MARKS**
- b. Enumerate four causes of accidents in the laboratory. **4 MARKS**
- c. Identify 4 sources of fire directly related to the laboratory. **4 MARKS**

5.

- a. Describe five features of the modern Power 8 Laboratory system. **10 marks**
- b. Briefly discuss five problems associated with the use of computers in schools. **10 marks**