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**NATIONAL OPEN UNIVERSITY OF NIGERIA**

UNIVERSITY VILLAGE, PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESS WAY, JABI- ABUJA

**FACULTY OF EDUCATION**

**JULY 2017\_1 EXAMINATION**

COURSE CODE: **SED324**

COURSE TITLE: **SCHOOL SCIENCE LABORATORY**

CREDIT UNITS; **2**

TIME: **2Hrs**

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

**QUESTION**:

**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 fire fighting. **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**