****

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

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

**FACULTY OF EDUCATION**

**OCTOBER/NOVEMBER EXAMINATION 2016**

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? **6 MARKS**

b. How are students’ performances in the laboratory assessed? **9 MARKS**

c. Discuss 5 factors to consider when siting a school laboratory. **10 MARKS**

d. Mention 5 first aid procedures to take when an accident occurs in the laboratory. **5 MARKS**

**2.**

a. Briefly explain 5 roles of the science teacher in the 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. Mention 4 causes of accidents in the laboratory. **4 MARKS**

c. Identify 4 sources of fire directly related to the laboratory. **4 MARKS**