

# NATIONAL OPEN UNIVERSITY OF NIGERIA

91Cadastral Zone, NnamdiAzikwe Expressway, Jabi, Abuja

## FACULTY OF EDUCATION

SEMESTER EXAMINATION 2017\_2

**COURSE CODE: SED 329**

**CODE TITLE: INTEGRATED SCIENCE WORKSHOP**

**CREDIT UNIT: 2**

**Time: 2 hours**

**INSTRUCTION: ANSWER QUESTION ONE AND THREE OTHER QUESTIONS.**

**QUESTION ONE IS COMPULSORY**

### Question 1

- Outline any six (6) components of oxy-acetylene welding systems. (6 Marks)
- Discuss at least five (5) personal safety gears needed in a workshop. (10 Marks)
- Name at least five (5) tools used for metalwork. (5 Marks)
- State at least 4 characteristics of an entrepreneur. (4 Marks)

(TOTAL=25marks)

### Question 2

- Briefly describe the two major methods of blowing glass. (6 Marks)
- State at least four (4) kinds of glass and their uses. (4 Marks)
- State the procedure for constructing a test-tube rack. (5 Marks)

(15marks)

### Question 3

- Outline the skills teachers need to be on the verge of innovations. (7 Marks)
- Briefly explain the following skills-**hand, soft and life skills**. (3 Marks)
- State any five roles of skills acquisition. (5 Marks)

(15marks)

### Question 4

- Describe the different types of Circuits. (5 Marks)
- Name at least ten (10) devices in an electrical workshop. (5 Marks)
- Mention and state the uses of at least five (5) tools used by carpenters and cabinet makers. (5 Marks)

(15marks)

### Question 5

- Define Colour. (2 Marks)
- Describe at least three (3) methods of producing Colour. (9 Marks)
- Differentiate between the two types of carpentry. (4 Marks)

(15marks)