



NATIONAL OPEN UNIVERSITY OF NIGERIA

91 CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI, ABUJA

FACULTY OF EDUCATION

2024_2 EXAMINATION

PROGRAMME: FIRST DEGREE
COURSE CODE: SED 329
COURSE TITLE: INTEGRATED SCIENCE WORKSHOP
CREDIT UNIT 2
TIME ALLOWED 2 HOURS
INSTRUCTION: ANSWER QUESTION ONE (I) AND ANY TWO (2) OTHERS

Question 1(30marks)

- a. State the importance of skills acquisition (5marks)
- b. Explain the concept measurement (3marks)
- c. State the importance of data in measurement (3marks)
- d. List the plans on how you will construct a test-tube holder (4marks)
- e. Explain how you achieve colour harmony (5marks)
- f. Discuss six (6) protective measures in science workshop (5marks)
- g. Briefly describe (i) chemical property of glass (ii) electrical property of glass (5marks)

Question 2 (20 marks)

- a. Identify and explain the tools commonly used by carpenters and cabinet makers (5marks).
- b. Outline any five (5) benefits of skills acquisition to the learners (5marks)
- c. State any five (5) properties of metals that distinguish them from other elements. (5marks)
- d.(i). Differentiate between series and parallel circuit (3marks)
- d(ii). List tools required to carry out works in an electrical/electronic workshop (2marks)

Question 3 (20 marks)

- a. State five (5) functions of entrepreneur (5marks)
- b(i). Explain precisely lettering as a concept (3marks)

- b(ii).State the importance data in measurement (3marks)
- c. Explain the following concepts (i) primary colour light (ii) Coloured Pigment light (iii) complementary colours (6marks)
- d. List the components of entrepreneurial role behaviour (3marks)

Question 4 (20 marks)

- a. State five (5) roles of skills acquisition to man (5marks)
- b. Outline the common properties of glass (5marks)
- c. Name and describe five (5) tools used in metal works. (5marks)
- d. Discuss the procedure for constructing glass apparatus (5marks)