



NATIONAL OPEN UNIVERSITY OF NIGERIA  
91Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja  
FACULTY OF EDUCATION.

2021\_2

**COURSE CODE: SED329**

**CODE TITLE: INTEGRATED SCIENCE WORKSHOP**

**CREDIT UNIT: 2**

**TIME ALLOWED: 2 Hours**

**INSTRUCTION: Answer question One (1) and any other Two (2) questions**

#### **Questions**

1(a) Based on your experience as an integrated science teacher, give account on the possible safety options in a workshop? **(8marks)**

1(b) Illustrate any six (6) common personal safety gears found in a workshop? **(12marks)**

1(c) In a workshop organized by science education department on National Open University of Nigeria, you are to identify five (5) kinds of special glasses and their uses. **(10marks)**

2(a) As a guest speaker invited to science exhibition organized by government science secondary school in Abuja, how would you explain the **four (4) basic typefaces** which are identified as distinct in typography **(16marks)**

2(b) State any four (4) general properties of glass. **(4marks)**

3(a) Outline the (i) Electrical and (ii) Optical properties of glass. **(10.5 marks)**

3(b) Identify five (5) kinds the glass is grouped into and their uses. **(7.5marks)**

3(c) State two (2) thermal properties of glass **(2marks)**

4(a) According to the lecture delivered by the HOD of science education during the departmental conference, clearly illustrate the basic techniques and methods of forming glass. **(10marks)**

4(b) State ten (10) fundamental safety rules needed to be taken in the workshop. **(10marks)**