



NATIONAL OPEN UNIVERSITY OF NIGERIA
91Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF EDUCATION
2021_1

COURSE CODE: SED329

CODE TITLE: INTEGRATED SCIENCE WORKSHOP

CREDIT UNIT: 2

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer questions ONE and any other Two (2) questions

Questions

- 1(a) State the three (3) major substances the glass is composed of. **(3marks)**
- 1(b) Based on your experience as a science educator Identify five (5) different kinds of special glasses and the uses **(10 marks)**
- 1(c) Enumerate any seven (7) major tools required in glass work used by glassblower, glassmiths or gaffer in forming glass. **(7marks)**
- 1(d) Outline any five (5) uses of metals with an example each **(10 marks)**
- 2(a) Identify the three (3) characteristics which can be used to describe the term of an Entrepreneurship. **(3marks)**
- 2(b) As an entrepreneur running small and medium enterprise in Nigeria, mention in six (6) capacity you act? **(12marks)**
- 2(c) In your own view as an entrepreneur, enumerate any five (5) social contributions of small business firm to the development process in Nigeria. **(5marks)**
- 3(a) Based on your acquired skills as a teacher who is to be on the verge of innovations, explain briefly the classification of skills as hard, soft and life. **(12marks)**
- 3(b)** With your knowledge in art and technique of arranging type for making written language readable and appealing, differentiate forms of typefaces stated as blackletter, Roman typeface and Text typeface. **(6marks)**
- 3(c) State any two (4) reasons for polishing the metalwork jobs that have been worked on or beaten. **(2marks)**

4(a) Vividly discuss any four (4) types of the welding listed below:

Gas welding, Arch welding, Resistance welding, Thermite welding, Laser and electron beams welding **(12marks)**

4(b) As an Integrated science educator, outline any four (4) processes you need to know to build an object with a metal plate. **(8marks)**