



NATIONAL OPEN UNIVERSITY OF NIGERIA
National Open University Of Nigeria
Plot 91, Cadastral Zone, NnamdiAzikiwe Expressway, Jabi - Abuja
Faculty of Health Sciences
2021_2 Examination

Course Code: EHS 301
Course Title: Introduction to Basic Instrumentation and Use
Course Units: 2 Credit Units
Time Allowed: 2 Hours
Total Score: 70 Marks

INSTRUCTION: Answer ALL the Questions

- 1a. Outline the major laboratory safety rules (5 marks)
- b. Provide five precautionary measures to be ensured in equipments handling in the laboratory (10 marks)
- c. List the hazards related to equipment usage in research laboratories. (4 marks)
- d. To ensure the validity and reliability of results of experiment in the laboratory, briefly state the precautionary measures to be taken. (6 marks)
2. Write short notes on the followings;
 - a. Micro-centrifuges (5 marks)
 - b. Hot air Oven (5 marks)
 - c. Incubator (5 marks)
 - d. Mercury barometers (5 marks)
 - e. Microscope (5 marks)
- 3a. In relation to optical air sensor, outline the common types of air sampling methods. (10 Marks)
- b. What is a weather balloon? (5Marks)
- c. outline the applications of a weather balloon. (5Marks)