



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2024_2 EXAMINATION

COURSE CODE: EHS301

COURSE TITLE: BASIC INSTRUMENTATION AND USE

COURSE UNITS: 2 CREDIT UNITS

TIME ALLOWED: 1½ HOURS

TOTAL MARKS: 70 MARKS

INSTRUCTION: ATTEMPT ALL QUESTIONS

1.
 - a. Describe the operating principles of a pH meter. **10 marks**
 - b. List three types of pH meters **6 marks**
 - c. List three components for pH measurement? **9 marks**

2.
 - a. What are the applications of hot air oven? **10 marks**
 - b. State two (2) disadvantages and advantages each of hot air oven **8 marks**
 - c. Describe the standard settings for a hot air oven with regards to timing and temperature **7 marks**

3.
 - a. Describe any meteorology instrument to measure atmospheric pressure **5 marks**
 - b. List three (3) types of meteorology to measure atmospheric pressure **6 marks**
 - c. Highlight the working principles of any one (1) of the meteorology instrument to measure atmospheric pressure **9 marks**