



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2024 1 EXAMINATION

COURSE CODE: EHS301

COURSE TITLE: BASIC INSTRUMENTATION AND USE

COURSE UNITS: 2 CREDIT UNITS

TIME ALLOWED: 1 ½ HOURS

TOTAL MARKS: 70 MARKS

INSTRUCTION: ATTEMPT ALL QUESTIONS

1.
 - a. What is an Optical air sensors?
 - b. Describe the primary method of primary methods of optical air sensing
 - c. Describe five types of Air Sampling Methods

2.
 - a. What is Gas Plume Imaging LLC (GPI)?
 - b. With aid of a diagram describe the *Plume imaging*
 - c. List five (5) examples of greenhouse gases

3.
 - a. What are the uses of a weather (sounding) balloon?
 - b. Describe the Launch time, location, and uses of a weather (sounding) balloon
 - c. List five (5) hazards related with equipment used in research laboratory