

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

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

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