



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**PLOT 91, CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE**  
**2023\_2 EXAMINATION**

**COURSE CODE: EHS517**  
**COURSE TITLE: BIOMETEOROLOGY**  
**COURSE UNITS: 2 CREDIT UNITS**  
**TIME ALLOWED: 1½ HOURS**  
**TOTAL SCORE: 70 MARKS**  
**INSTRUCTION: ANSWER ALL QUESTIONS**

- 1a. State three sources of drinking water **3 Marks**
- 1b. Mention two important factors affecting transmission of water-borne diseases as related to contamination potentials **2 Marks**
- 1c. Expatiate on the effect of climate on water-borne diseases **10 Marks**
- 1d. Write short notes on the following: **3 Marks**
- i. Saturation point **3 Marks**
  - ii. Precipitation **3 Marks**
  - iii. Effect of burning fossil fuel **3 Marks**
  - iv. Humidity **3 Marks**
  - v. Wind **3 Marks**
2. Discuss the effect of acid rain on environment and human health **20 Marks**
- 3a Write extensively on convective heat transfer **10 Marks**
- 3b Discuss the impact of heat as one of the most important biometeorological index of energy exchange between living organisms and the environment **10 Marks**