



**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: EHS 517**  
**COURSE TITLE: BIOMETEOROLOGY**  
**COURSE UNITS: 2 CREDIT UNITS**  
**TIME ALLOWED: 1½ HOURS**  
**TOTAL SCORE: 70 MARKS**  
**INSTUCTION: ANSWER ALL QUESTIONS**

- 1a. Discuss the effect of exposing the lens to ultraviolet radiation **10 Marks**
- 1b. Explain the tissue damage by visible and near infrared radiation in the wavelength range of 400-1400nm **20 Marks**
- 2a. Discuss the following:
- i. Water Borne Diseases
  - ii. Water Washed Diseases
  - iii. Water Based Diseases
  - iv. Water Related insect transmitted Diseases
- 20 Marks**
- 3a. Expatriate on threshold limit values **4 Marks**
- 3b. Itemize eight factors that influence malaria incidence **8 Marks**
- 3c. Droughts are natural events that occur when there are long periods of below average rainfall, Explain. **8 Marks**