



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE
POP EXAMINATION 2022_2

COURSE CODE: ESM345

TIME: ALLOWED: 2HRS

COURSE TITLE: APPLIED CLIMATOLOGY

CREDIT UNIT: 2

Instruction: Attempt question number ONE (1) and any other TWO (2) questions. Question number one (1) carries 30marks, while the other questions carry (20) marks each.

- 1a Examine the role of climate in the aviation industry (15marks)
- 1b. Describe the scope and content of applied climatology (15marks)
- 2a. With relevant examples explain seven causes of river flooding in Nigeria (10marks).
- 2b. Describe five ways flooding can be prevented (10marks).
3. Explain the relevance of climatic elements in the location of manufacturing industries (20marks)
4. Discuss the merits and demerits of weather modification (20marks).
- 5a. What is drought (4marks)
- 5b. List four types of droughts {4marks}
- 5c. Explain any four drought mitigation measures (12marks)