



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
DEPARTMENT OF ENVIRONMENTAL SCIENCE
2022_1 EXAMINATIONS

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.

1. a. Explain the term Climate. **5marks**
b. Discuss the role of climate in the aviation industry. **25marks**

2. Explain the scope and content of Applied Climatology. **20marks**

- 3a. Define the term flood as one of the menaces of environmental degradation. **5marks**
b. With relevant examples explains any seven causes of flooding in Nigeria. **10marks**
c. States any 10 ways flooding can be prevented in Nigeria. **5marks**

4. Explain the relevance of climatic elements in location of manufacturing industries. **20marks**

- 5a. Explain the term weather modification. **5marks**
b. Briefly discuss the merits and demerits of weather modification. **15marks**