



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCES
2023_1 EXAMINATIONS.**

COURSE TITLE: AGROCLIMATOLOGY AND BIOGEOGRAPHY (3 CU)

COURSE CODE: AGR 309

TOTAL SCORE: 70 MARKS

INSTRUCTION: Answer FOUR Questions in all.

Question 1 is compulsory (25marks) and any THREE Questions (15 marks each)

TIME ALLOWED: 3 hours

Q1

- (a) Explain in detail the term Macro-climatology (5 marks)
- (b) Discuss in your words the meaning of temperature (10 marks)
- (c) List the factors that affect annual amount of rainfall (10 marks)

Q2

- (a) With a diagram, list the features of a barometer (10 marks)
- (b) Explain how you can use a barometer (5 marks)

Q3

- (a) How do weather and climate influence your mode of dressing and nature of houses (5 marks)
- (b) Discuss orographic rainfall with respect to how it is formed (10 marks)

Q4

Write explanatory note on how the following types of precipitation are formed: Dewfall, Fog and Rime (15 marks)

Q5

Discuss in detail how you can carry out both mechanical and technical maintenance of a standard meteorological station (15 marks)