



**ELIZADE UNIVERSITY,
ILARA-MOKIN, NIGERIA**

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION

2018/2019 ACADEMIC SESSION

COURSE CODE: EMT 203

COURSE TITLE: INTRODUCTORY CLIMATOLOGY AND BIOGEOGRAPHY

DURATION: 2 HOURS

HOD's SIGNATURE

NAME:.....

MAT. No:.....

INSTRUCTIONS Answer Any Three (3) Questions

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1. (a) With the aid of a labelled diagram, explain the vertical structure of the atmosphere
(b) List the types of climatic scales and their distances
(c) Differentiate between climate and weather.
2. (a) What are the problems associated with weather stations?
(b) What are the solutions to the problems listed in question 2(a)?
(c) List five (5) temperature inversions and discuss any two
(d) List five (5) atmospheric elements?
3. (a) Discuss the factors that bring about biogeographical distribution of plants and animals.
(b) What are the categories of biogeography?
(c) Explain briefly the different types of soil.
4. (a) Discuss the organization of an ecosystem
(b) List the factors that influence the distribution of temperature
(c) List the three (3) types of humus and explain any two
5. (a) List the properties of soil under the following sub headings (i) physical (ii) biological (iii) chemical
(b) Differentiate between forms of precipitation