

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES

2010/2011 SECOND SEMESTER EXAMINATION

PLB 303: PLANT ECOLOGY

Answer **one** question from each section.

Time: 2 hrs 20 mins.

SECTION A

1. (a) You are provided with a National Vegetation Map of Nigeria
- (i) Identify the different vegetations zones marked **A – H**.
 - (ii) Name **three** plants that are typical of **A** and **E**.
- (b) Discuss the roles of **two** climatic factors in the distribution of plants. State examples.
- (c) What is desertification?
- (d) List out the major causes of desertification.
- (e) What are the possible approaches to controlling desertification?
(30 Marks)

SECTION B

2. Write exhaustively on the lowland rain forest in Nigeria with respect to
- (a) Stratification
 - (b) Climate
 - (c) Floristic composition *(20 Marks)*
3. Write short notes on the following:
- (a) Forbs
 - (b) Monoculture species
 - (c) Strata in the rainforest
 - (d) Riparian forest *(20 Marks)*

SECTION C

4. Discuss human influence in the Guinea savanna zone of Nigeria. *(20 Marks)*
5. Give an account of Raunkiaer's life forms. *(20 Marks)*

Fig.

NATIONAL VEGETATION ZONES

