

OLABISI ONABANJO UNIVERSITY, AGO-IWOYE
FACULTY OF SOCIAL SCIENCES
DEPARTMENT OF GEOGRAPHY
2017/2018 HARMATTAN SEMESTER EXAMINATIONS
B.Sc. Degree Examinations

COURSE CODE: GRP 311
COURSE TITLE: Biogeography
TIME ALLOWED: 2 Hours

INSTRUCTION: Answer question one (1) any other two (3) questions of your choice

Compulsory

1) With the aid of suitable annotations and relevant examples, describe how the food web is fundamental to life within the ecosystem. (10 marks)

Optional

2) Describe the biogeochemical cycles in the ecosystem and emphasis any two (2) of your choice. (20 marks)

3) Briefly examine the concept of ecological efficiency in energy relations with relevant specific examples. (20 marks)

4) Critically examine the components of the complex self-sustaining natural arrangement termed "ecosystem". (20 marks)

5) Discuss the trophic relationships within an ecosystem and classify the following organisms into their appropriate trophic levels: (i) Fungus, (ii) Dodder plant, (iii) Tapeworm (iv) Housefly (v) Moth (vi) Giraffe (vii) Sundew (viii) Tsetse fly (ix) Elephant grass (x) Lion (xi) Cockroach (xii) Amoeba (xiii) Bee (xiv) Turkey (xv) Locust (xvi) Pig (xvii) Monkey (xviii) Oak (ixx) Hibiscus (xx) Oluwatemilorun (20 marks)

6) Critically examine the biogeographical concepts of biome and succession. (20 marks)