

Bago University
Department of Zoology
First Semester Examination, March 2019

3rd Year BSc
(Zoology Specialization)
Answer ALL questions

Zool.3103
Zoogeography
Time Allowed: (3) Hours

State TRUE or FALSE to the following statements.

(10 marks)

1. Most species occupy limited geographic areas.
2. At the species level, "vicariance" is often used as a synonym of "allopatry".
3. Ceylonese sub-region includes the Indian peninsula and the island of Ceylon.
4. The vertebrate fauna of Australia region consists of only one fishes strictly limited.
5. Wombats, Marsupial Mole, Duck Bills and Emus are confined to the Australian Sub-region.
6. Waterfalls form an effective barrier to many fresh water animals.
7. Neotropical region is composed of South and Central America, West Indies and Southern part of Mexico.
8. There are 44 species of lemurs which confined only to Madagascar and the small neighbouring islands.
9. Barriers are of three major types.
10. The distribution of birds between Oriental and Australian Regions is more complex than that of reptiles.

Complete the following statements with appropriate words.

(10 marks)

1. Zoogeographers are challenged to explain numerous ----- or disjunct distribution.
2. Temporary land bridges also have been important ----- of dispersal.
3. Plate tectonics offers the best explanation of ----- Line.
4. Nearctic region includes the whole of North America and -----.
5. Certain animals are restricted to certain ----- areas of the globe.
6. The land mass is the major ----- which affects the dispersal of fresh water animals.
7. The modes of dispersal are relatively few in the ----- environment.
8. Zoogeography is concerned with the ----- of animals over the world.
9. Ethiopian amphibians and reptiles are less -----.
10. The biological environment on the island is different from that of the -----.

Answer ALL questions

(10 marks)

1. Define the term vicariance.
2. Mention the two primary division of earth by Huxley.
3. Write a short note on mammals of Oriental Region.
4. Describe about the Polynesian sub-region.
5. Describe the avian and insect fauna of Bermuda.

Answer ALL questions

(20 marks)

1. Explain about the present and past are equally important in zoogeography.
2. Write a short note on Barriers.
3. List the division of the earth into six great regions characterized by Dr P L Sclater.
4. Name the continental islands and describe any one of these islands.

Answer ANY THREE questions

(30 marks)

1. Discuss as far as you can distribution by dispersal.
2. Explain about barriers and means of dispersal in terrestrial environment.
3. State sub-region of Palaearctic region and explain about any two of them.
4. Write an interesting account on the Mexican Central American transition area.
5. Describe about the distribution of reptiles between Oriental and Australian Regions.
6. Discuss as far as you can on the Insular fauna.
