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The Assam Royal Global University, Guwahati

Royal School of Earth and Environmental Sciences

B.A./B.Sc. Geography 6th Semester)

Semester End Examination, June 2023

Course Title: Biogeography

Course Code: GEO162D602

Time: 3 Hours

Maximum Marks: 70

Note: Attempt all questions as per instructions given.

The figures in the right-hand margin indicate marks.

Section – A

1. Attempt **all** questions. (Maximum word limit 50) 2 x 8
- Mention the different attributes in biogeography.
 - Name the two approaches in biogeography with suitable examples.
 - What are the different forms of terrestrial ecosystem?
 - Define ecological pyramid.
 - State the meaning of the term trophic level.
 - What is a climax community?
 - Define Biome.
 - State two characteristics of soil.

Section – B

2. Attempt **any two** of the following: 6x 2
- Briefly explain biogeography and state its features.
 - What are the scopes of biogeography? Mention the significance of studying biogeography.
 - Discuss in detail about the concept of evolutionary approach in biogeography.
3. Attempt **any two** of the following: 7 x 2
- What is an ecosystem? Discuss in detail on any one of the aquatic ecosystems.
 - Explain the energy flux in the ecosystem with appropriate diagram.
 - What do you understand by bio-energy cycles? Explain the process in the ecosystem.
4. Attempt **any two** of the following: 7 x 2
- Discuss the process of ecological succession.
 - What do you understand by biodiversity hotspot? Mention the major biodiversity hotspots of the world.
 - Explain the concept of deep ecology with suitable examples.
5. Attempt **any two** of the following: 7 x 2
- Describe in detail the different kinds of biome.
 - Critically explain the biogeographical significance of soil.
 - State the different factors determining the global distribution of plants.