


**NAVRACHANA
UNIVERSITY**
a UGC recognized University

School: School of Science
Program/s: BSc Chemistry
Year: 2nd **Semester:** 3rd
Examination: End Semester Examination
Examination year: December - 2022

Course Code: ZO201

Date: 7/12/2022

Time: 11:30 AM to 1:30 PM

Course Name: Ecology & Zoogeography

Total Marks: 40

Total Pages: 2

Instructions:

- Write each answer on a new page.
- Use of a calculator is permitted/not permitted
- Any other relevant instructions if any

Q. No.	Details	Marks	COs*	BTL#
Q.1	Write a short description of the following realms	6	CO1, CO2, CO3, CO4, CO5,	BT1, BT2, BT3

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|----------------|---------------|
| 1. Palearctic | 4. Australian |
| 2. Nearctic | 5. Oriental |
| 3. Neotropical | 6. Ethiopian |

Q.2	Answer in one line	10	CO1, CO2, CO3, CO4, CO5,	BT1, BT2, BT3
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1. What is the Biogeochemical cycle?
2. Which animals are found in intertidal zones?
3. What is a tundra forest
4. Name climatic factors affecting the ecosystem.
5. How much rainfall is received in the cold desert biome?
6. Which animals live in the tropical evergreen forest?
7. Which animals are found in Savannah biomes?
8. What are the functional components of the ecosystem.
9. What is a zoogeographical realm?
10. Which climatic conditions are found in Marine biomes

Q.3	Answer in brief (Any Six)	12	CO1, CO2, CO3, CO4, CO5,	BT1, BT2, BT3
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1. Explain an urban biomes
2. What are Eltonian pyramids? Explain by giving example.
3. Differentiate between the tropical biome and the temperate biome.
4. Explain Xerosere.

5. Describe the tropical rainforest.
6. What are the barriers in animal distribution?
7. Which factors are responsible for the distribution of animals?

Q.4	Answer in Detail (Any three)	12	CO1, CO2, CO3, CO4, CO5.	BT1, BT2, BT3
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1. Explain any two zoogeographical realms.
2. Describe any one gaseous biogeochemical cycle
3. Explain the components of the ecosystem.
4. Describe continental drift theory.

*****End of Question Paper*****