

2022

Zoology

[P.G.]

(CBCS)

(M.Sc. Third Semester End Examination-2022)

PAPER-303

(Ecology special)

Full Marks:40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

Group-A

Biodiversity and Conservation Ecology

1. Answer any two questions of the following: 2x2= 4
 - a) What is the importance of wild life census
 - b) Discuss the semi fits of wild life conservation.
 - c) State the characteristics features of Biodiversity hot spots
 - d) What do you mean by Red Data Book?

2. Answer any two questions of the following: 2x4 = 8
 - a) Mention the principle and goals of CBO.
 - b) Discuss the role of wild life DNA Forensics in identifications of endangered species.

(2)

- c) Write a note on JFM.
- d) Write down the impact of urbanization on Biodiversity

3. Answer any one question of the following: 1x8 = 8

- a) Write a note on Man-Elephant conflict
- b) Discuss the measures taken for tiger conservation.

Group-B

Aquatic Ecology

4. Answer any two questions of the following: 2x2= 4

- a) What is littoral zone?
- b) Differentiate between vadose water and ground water.
- c) Schematically represent ocean Zones based on depth and light.
- d) What are the environmental conditions favorable for mangroves forest?

5. Answer any two questions of the following: 2x4 = 8

- a) Write a short note on- "Coastal Regulation Zone".
- b) What are Ramsar sites? State the purpose of Ramsar convention 2+2
- c) Briefly describe the different threats of estuarine ecosystem.
- d) Define wetlands. What are the difference between marshes and swamps. 2+2

(3)

6. Answer any one question of the following: 1x8 = 8

- a) i) Schematically represent the major pathways of hydrological cycle.
- ii) Discuss briefly the effect of climate change on fresh water river. 4+4
- b) What is dead zone? Discuss the causes and effects of deadzone.
