

Zoology (P.G.)

[CBCS]

M.Sc. Third Semester End Examination-2024

(Regular & Supplementary Paper)

PAPER-ZOO-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

(Use separate answer script for each group)

Group A

Marks 20

[Biodiversity and conservation Ecology]

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

- a. Mention the different animal census method.
- b. State the characteristics features of megadiversity country.

Mention the position of India. 1+1

- c. What is a world Heritage site? Give an example.
- d. Write down the benefits of biodiversity.

(2)

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

- Write a short note on “capture and recapture” method.
- Write a note on JFM.
- What do you mean by wild life crime.
- Write a note on red data book.

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

- What do you mean by biodiversity? Write a note on threats to biodiversity.
- In an experiment the number of trapped rabbit are 39, the number of tagged rabbit recapture are 15 and the number of recaptured animal that are untagged are 19. Find out the total population number of rabbit.

Group B

Marks 20

(Aquatic Ecology)

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

- What is activated sludge?
- Define estuary.
- Mention two enlisted name of Ramsar site in 2024 in India.
- What do you mean by peatlands?

(3)

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

- Write a short note on ‘CRZ’
- Briefly describe the different threats to coral reef.
- Classify the wetlands on the basis of topographic situations.
- Schematically represents Ocean Zones on the basis of depth and light penetration.

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

- Mention the effect of climate change on fresh water river. Schematically represent the major pathways of hydrological cycle. 4+4
- State the ecological functions of mangroves forest. What do you mean by old and new world mangroves? 6+2

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