

2022

M.Sc.

2nd Semester Examination (CCAЕ)

ZOOLOGY

PAPER—ZOO-204 (CBCS)

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.*

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

*Illustrate the answers wherever necessary.*

**ZOO-204.1 WILDLIFE & ECO-MANAGEMENT**

1. Answer any *two* questions : 2×2

(a) What is life table ? State it's significance.

(b) What is edge effect ?

*(Turn Over)*

- (c) State the difference between point & nonpoint pollution.
- (d) Define eutrophication.

2. Answer any *two* questions : 2×4

- (a) Tabulate the differences between r-strategy and k-strategy.
- (b) Difference between endangered and critically endangered species with examples.
- (c) Explain the nodes, links, linkage density and chain length of a food web.
- (d) Explain the root causes of depletion of Wildlife wealth.

3. Answer any *one* question : 1×8

- (a) What do you mean by Bet-hedging? Discuss the significance of bet-hedging strategy with a suitable example.
- (b) Give an account of wildlife conservation strategies in the national parks, sanctuaries and biosphere reserve areas with special reference to India.

**ZOO-204.2 AQUA-INFORMATICS**

4. Answer any *two* questions : 2×2
- (a) What do you mean by IUU fishing?
- (b) What is EEZ? Mention its range. 1+1
- (c) Write the full form of UAV, USV and UUV.
- (d) What do you mean by DSS?
5. Answer any *two* questions : 2×4
- (a) Write a short note on : VMS and mention its advantages. 3+1
- (b) Briefly describe the roles of smartphone as collaborative tools.
- (c) What are the impact of climate change on fisheries?
- (d) What is the smart weighing system at sea? Give a brief description. 1+3

6. Answer any *one* question : 1×8
- (a) Discuss the roles of ICT in development of fishermen community. Mention the limitation of ICT implementation. 4+4
- (b) How do recent approaches of web based system help in flora and faunal conservation ?
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