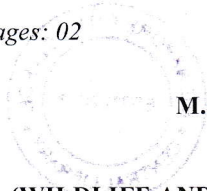


Total pages: 02



PG (CBCS)
M.Sc Semester- II Examination, 2023
ZOOLOGY
PAPER: C-ZOO 204

(WILDLIFE AND ECO-MANAGEMENT AND AQUACULTURE)

Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.
 Candidates are required to give their answers in their own words as far as practicable.
Write the answer for each unit in separate sheet

UNIT: C-ZOO 204.1

WILDLIFE AND ECO-MANAGEMENT

GROUP-A

1. Answer any **TWO** from the following questions: 2×2=4
- a) What do you mean by Core and Buffer zone?
 - b) What is the adverse effect of acid rain on environment?
 - c) Explain the use of pugmarks in Wildlife Census.
 - d) State the significance of EIA.

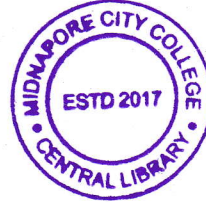
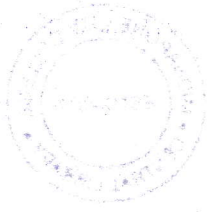
GROUP-B

2. Answer any **TWO** from the following questions: 2×4=8
- a) What is radio-collaring and why is it used?
 - b) What are the IUCN red list categories? What is the current IUCN status of Olive Ridley Turtle? 3+1
 - c) What is green house effect and how can it be controlled?
 - d) State the characteristic features of (a) National park and (b) Wildlife sanctuary

GROUP-C

3. Answer any **ONE** from the following questions: 1×8=8
- a) What are the major threats to Wildlife in Eastern India? What is capture-mark-recapture method?
 - b) State the present status of vulture conservation in India. What are wildlife corridors?

(P.T.O)



(2)

UNIT: C-ZOO 204.2**AQUACULTURE****GROUP-A**

4. Answer any **TWO** from the following questions: 2×2=4
- Differentiate between monoculture and polyculture.
 - Name one sea weeds along with its salient features.
 - Define aquaculture. Where it differs from fishery?
 - Write the name of two estuarine and two marine cultivable fish species.

GROUP-B

5. Answer any **TWO** from the following questions: 2×4=8
- What is sustainable aquaculture? Comment on Integrated fish farming. 1+3
 - Mention the advantages of Pen culture .What are the criteria for species selection in polyculture. 2+2
 - What do you mean by Sewage fed aquaculture? Distinguish between Nursery pond and stocking pond. 2+2
 - How you can manage the water quality in aquaculture?

GROUP-C

6. Answer any **ONE** from the following questions: 1×8=8
- What is running water culture? Briefly describe the preparation and maintenance of nursery pond. 2+6
 - Mention the importance of Daphnia & Tubifex as live fish feed. Comment on the impact of climate change on fishery. 3+5
