

PG CBCS
M.Sc. Semester- II Examination, 2022
DEPARTMENT OF ZOOLOGY
PAPER: C-ZOO 204

Full Marks: 40

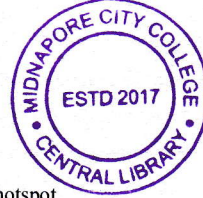
Time: 2 Hours

Write the answer for each unit in separate sheet

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.

C-ZOO 204.1: WILDLIFE AND ECO-MANAGEMENT**Marks: 20****GROUP-A****1. Answer any two questions:**

- a) What is the importance of wildlife corridor? 2×2=4
- b) What do you mean by wildlife trade?
- c) Mention the criteria to become a biodiversity hotspot.
- d) Cite a case pf people's participation in wildlife management and conservation in your state.

**GROUP-B****2. Answer any two questions:****2×4=8**

- a) Enumerate the major causes of depletion of wildlife.
- b) Differentiate sanctuary and national park. What is seed bank?
- c) What do you mean by direct and indirect methods for wildlife census?
- d) Mention the threats to survival of Olive Ridley turtle.

GROUP-C**3. Answer any one question:****1×8=8**

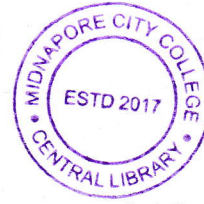
- a) What is algal bloom? What is cultural eutrophication? Enumerate the biological consequences of ozone layer depletion. 2+2+4
- b) What is Red Data Book? Schematically represent the IUCN Red List categories. Mention the criteria for a species to become endangered, vulnerable, extinct in the wild. 1+2+5

(P.T.O.)

(2)

C-ZOO 204.2: AQUAINFORMATICS**Marks: 20****GROUP-A****1. Answer any two questions:****2×2=4**

- a) Name two software used in aquaculture.
- b) What is climate change.
- c) What do you mean by technology innovation in aquaculture?
- d) What do mean by web-based system in aquainformatics?

**GROUP-B****2. Answer any two questions:****2×4=8**

- a) What are the different strategies we can take to conserve aquatic ecosystems?
- b) What are the advantages of infrared sensors over optical sensors?
- c) Write down the role of ICT in rural aquaculture.
- d) Make a relationship between climate change and aquaculture system.

GROUP-C**3. Answer any one question:****1×8=8**

- a) Mention some of the uses of satellite remote sensing for sustainable marine fisheries and aquaculture. Write a note on scopes of aquainformatics. 5+3
- b) Write the effect of GIS on aqua-farm management
