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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: **2×2=4**

a) What is the importance of wildlife corridor?

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.)

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

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