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PG (NEW) CBCS
M.Sc. Semester-II Examination, 2019
ZOOLOGY
PAPER: C-ZOO 204 (CBCS)
WILDLIFE & ENVIRONMENTAL MANAGEMENT AND AQUA INFORMATICS (CBCS)

Full Marks: 40 **Time: 2 Hours**

Use separate Answer-scripts for Group-A & Group-B

GROUP-A

Wildlife &environmental management

Marks-20

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

a) Distinguish between biodegradable and no-degradable pollutants.

b) What are the causes of acid rain?

c) What is Eco monitoring?

d) Write the importance of PRA technique in wild life management.

2. Answer any two questions of the following: **2×4=8**

a) Write the root causes of depletion of wild life wealth.

b) Write the difference between National park, sanctuaries and Biosphere reserve.

c) What is the difference between core zone and buffer zone? What is wild life corridor? 2+2=4

d) Briefly describe the process of Tiger conservation in India.

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

a) What is global warming? What are the main causes of it? How does ozone layer depletion different discasesof human? 2+4+2=8

b) What is Red data book? How can we call an animal as 'endangered'? Describe the basic principles of wild life conservation strategies. 2+2+4=8

(Turn over)

GROUP-B

Aqua informatics

Marks-20

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

a) What do you mean by spatial database development in aquaculture?

b) What do you mean by aquaweb based system?

c) Write the application of aqua software in aquaculture system?

d) Highlight the importance of information contents in aqua informatics.

5. Answer any two questions of the following: 2×4=8

a) Write role of ICT in aquaculture sector.

b) Illustrate a decision base support system in aqua information.

c) Explain two Technological innovation in aquaculture.

d) Discuss integrated information management system in aquatic resources?

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

a) Discuss recent approaches in aquatic floral faunal conservation through web based system. 8

b) How does climate change affect aquatic resources? How does mathematical modelling help in conservation of aquatic resources. 4+4=8

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