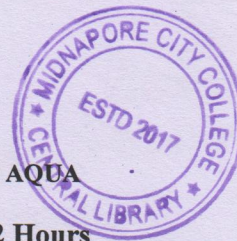


PG (NEW) CBCS
M.Sc. Semester-II Examination, 2019
ZOOLOGY
PAPER: C-ZOO 204 (CBCS)
WILDLIFE & ENVIRONMENTAL MANAGEMENT AND AQUA
INFORMATICS (CBCS)



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)

(2)

GROUP-B
Aqua informatics
Marks-20



4. Answer any two questions of the following: $2 \times 2 = 4$
- What do you mean by spatial database development in aquaculture?
 - What do you mean by aquaweb based system?
 - Write the application of aqua software in aquaculture system?
 - Highlight the importance of information contents in aqua informatics.

5. Answer any two questions of the following: $2 \times 4 = 8$
- Write role of ICT in aquaculture sector.
 - Illustrate a decision base support system in aqua information.
 - Explain two Technological innovation in aquaculture.
 - Discuss integrated information management system in aquatic resources?

6. Answer any one question of the following: $1 \times 8 = 8$
- Discuss recent approaches in aquatic floral faunal conservation through web based system. 8
 - How does climate change affect aquatic resources? How does mathematical modelling help in conservation of aquatic resources. $4+4=8$
