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**PG CBCS**  
**M.SC. Semester-II Examination, 2021**  
**ZOOLOGY**  
 PAPER: C-ZOO 204

**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.*

**Group-204.1****(Marks: 20)****(Wildlife and Eco-management)****Answer TWO questions of the following:****10X2=20**

1. Briefly describe the different wildlife conservation strategies. What are wildlife corridors? What is green house effect and how it can be controlled? 5+2+3
2. State the causes of depletion of wildlife wealth in India. Explain how molecular techniques are effective to study the wildlife. 5+5
3. Name two National Parks of India. Define sanctuary. Name any two sanctuaries of West Bengal mentioning the names of the targeted animal species under conservation in these parks. Mention the basic steps of environmental management. 2+1+2+5
4. Write notes on any two of the following: 5+5
  - (a) Pugmark and Call count
  - (b) Concepts of Conservation Biology
  - (c) IUCN threatened categories.
  - (d) Project tiger

**Group-204.2****(Marks: 20)****(Aqua-informatics)****Answer TWO questions of the following:****10x2=20**

1. What is aquaculture? What is ICT and how it can be used in aquaculture?  
 Differentiate active sensors from passive sensors 2+5+3

**(P.T.O.)**

(2)

2. What is aqua-informatics? Briefly discuss the scope of aquainformatics. What is decision support system? 2+5+3
3. What is GPS? Mention its applications in aquaculture field. What are the different types of sensors used in GPS? 2+4+4
4. 4. What is IFTTT? What are the different components of IFTTT? What are the advantages of microwave sensors over optic sensors? 2+6+2

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