

2022

M.Sc.

2nd Semester Examination

ZOOLOGY

PAPER—ZOO-204

Full Marks : 40

Time : 2 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

ZOO-204.1 WILDLIFE & ECO-MANAGEMENT

1. Answer any *two* questions : 2×2

- (a) Mention the difference between eco-degradation and pollution.
- (b) Highlight the difference between eco-restoration and eco-rehabilitation.

(Turn Over)

- (c) Point out the differences between Text Book knowledge and Traditional knowledge.
- (d) Mention the difference between point pollution and non-point pollution.

2. Answer any *two* questions : 2×4

- (a) How many 'Hot-spots' are present in India?
- (b) Mention the criteria for designating an area as to be the 'Hot-Spots'. 1+3
- (c) Explain briefly the significance of 'Green Movement'. Enlist major wild mammals of South West Bengal, India. 1+3
- (d) Briefly highlight different measures undertaken for the 'In-Situ' Conservation' of Biodiversity in India.

3. Answer any *one* question : 1×8

- (a) Define wild life. What roles do wildlife play in maintaining the ecosystem functioning of the forest ecosystem? Enlist different threats on wildlife in India. 2+3+3

- (b) What is environmental monitoring? Mention different steps for its execution? Briefly discuss on IUCN threatened categories. 2+2+4

ZOO-204.2 AQUA-INFORMATICS

4. Answer any *two* questions : 2×2
- (a) Write the full form of MPA and MCS. 1+1
- (b) What do you mean by non-collaborative tool? Give an example. 1+1
- (c) What is the defination of ERS?
- (d) What are drones? Mention different types of drones. 1+1
5. Answer any *two* questions : 2×4
- (a) What is fishery monitoring centre? Discuss its mode of operation. 1+3
- (b) Write the roles of web based system in floral-faunal conservation.

(c) Briefly describe the Decision Based support system and its role in fishery. 2+2

(d) Define ICT and mention its role in sustainable fishery development. 1+3

6. Answer any *one* question : 1×8

(a) Briefly discuss the roles of climate change on aquatic resources.

(b) What is collaborative tool? Discuss about different types of collaborative tools. 2+6
