

Roll No.....

B

3019

M.Sc. (Semester I) EXAMINATION, 2018
ZOOLOGY

First Paper

(Taxonomy, Biodiversity and Wildlife)

Time allowed : Three hours

Maximum marks : 50

Note : Syllabus of each paper is divided into three units. The question paper is divided into three parts : Part-A, Part-B and Part-C.

Part-A(10 marks) : Part-A is compulsory and contains 10 questions. At least three questions will be set from each unit and each question carries 1 mark (50 words each).

Part-B (10 marks) : Part-B is compulsory and contains five questions, taking at least one question from each

unit. Candidate is required to attempt all 5 questions. Each question carries 2 marks (100 words each).

Part-C (30 marks) : 6 questions will be set taking 2 from each unit. Candidate is required to attempt 3 questions, taking 1 from each unit. Each question carries 10 marks. (400 words each).

Part-A

1. Define Empiricism and cladism.
2. What is polytypic species ? Give an example.
3. Give name of all orders of Echinodermata.
4. Give zoological name of any two fauna of Ranthambhore National Park. <https://www.mdustudy.com>
5. Write down two principles of Biodiversity.
6. Define endangered species. Give names of two endangered species of Rajasthan.
7. What is importance of protected area ?

8. What do you understand by afforestation ?
9. Where is central crocodile Breeding and Management Institute is situated in India ?
10. Give any four objectives of ZSI.

Part-B

11. Name four Biodiversity hot spot of world.
12. Explain any two theories of Biological classification.
13. Give a short note on Biological Diversity Act (2002)
14. Explain role of Forest Research Institute in conservation of wildlife.
15. What is similarity and dissimilarity index.

Part-C

Unit-I

16. Discuss Rules of Nomenclature in detail.

17. Classify phylum coelenterata with suitable examples.

Unit-II

18. Give a detail report on "Biodiversity Conservation Methods".
19. Discuss concept and types of Biodiversity.

Unit-III

20. Describe "Project Tiger" in India.
21. Write a detailed note on "Wildlife in Rajasthan with special reference to birds and mammals."