

Roll No.

(07/21-II)

13714

M. Sc. EXAMINATION

(For Batch 2017 & Onwards)

(Fourth Semester)

ZOOLOGY

ZOO-404A

Biodiversity and Wild Life

Time : Three Hours

Maximum Marks : 30

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory.

1. Write brief notes on the following : $2 \times 5 = 10$

- (a) Speciation
- (b) Hotspots
- (c) Wetlands

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- (d) Threat Value
- (e) Gir Lion Project.

Unit I

2. What is Biodiversity ? Write down its types and status at national and international level.

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3. Write notes on any two of the following : $2\frac{1}{2} \times 2 = 5$
 - (a) Categories of existence
 - (b) Causes of biodiversity depletion
 - (c) Major diversity regions of Himalaya.

Unit II

4. What is Zooogeography ? Write down different Zooogeographical regions and their fauna. 5
5. What is Conservation ? Write down various principles, action plan used in conservation and status in India. 5

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Unit III

6. Write notes on any two of the following : $2\frac{1}{2} \times 2 = 5$
 - (a) *In-situ* conservation
 - (b) National parks
 - (c) Sanctuaries.

7. Write notes on any two of the following : $2\frac{1}{2} \times 2 = 5$
 - (a) Cryobanks
 - (b) *Ex-situ* conservation
 - (c) Biosphere reserves.

Unit IV

8. What is red data book and IUCN ? Describe various categories of wildlife categories used in IUCN. 5
9. Write detailed notes on the following projects : $2\frac{1}{2} \times 2 = 5$
 - (a) Tiger
 - (b) Hangul.

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