

**7241**

**M.Sc. II<sup>nd</sup> Semester EXAMINATION, 2018**

**ZOOLOGY**

**Paper – I**

**(Biodiversity and Conservation Biology)**

Time: Three Hours

Maximum Marks: 80

**PART – A (खण्ड – अ)**

[Marks: 20]

*Answer all questions (50 words each).*

*All questions carry equal marks.*

सभी प्रश्न अनिवार्य हैं। प्रत्येक प्रश्न का उत्तर 50 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

**PART – B (खण्ड – ब)**

[Marks: 40]

*Answer five questions (250 words each).*

*Selecting one from each unit. All questions carry equal marks.*

प्रत्येक इकाई से एक-एक प्रश्न चुनते हुए, कुल पाँच प्रश्न कीजिए।

प्रत्येक प्रश्न का उत्तर 250 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

**PART – C (खण्ड – स)**

[Marks: 20]

*Answer any two questions (300 words each).*

*All questions carry equal marks.*

कोई दो प्रश्न कीजिए। प्रत्येक प्रश्न का उत्तर 300 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

## **PART – A**

1. Answer all questions:-
  - I. Differentiate between genetic biodiversity and intra specific diversity.
  - II. What are the basic concepts of biodiversity?
  - III. What is habitat fragmentation?
  - IV. What is habitat destruction and how it affect on decline of biodiversity?
  - V. What is Red Data BOOK?
  - VI. What is CITES?
  - VII. What are plant defences?
  - VIII. What is food selection?
  - IX. Write note on anthropogenic factors leading to extinction of species.
  - X. What is propagation?

## **PART – B**

### **UNIT –I**

2. Describe species richness.
3. Explain diversity profile of India.

### **UNIT –II**

4. Write about the of poaching of wildlife in loss of biodiversity.
5. What are the La Nino and El Nino?

### **UNIT –III**

6. What are the Ramsar sites of India?
7. Write note on biosphere reserves.

### **UNIT –IV**

8. Describe role of animals in pollination.
9. What is plant animal interaction?

### **UNIT –V**

10. Explain restoration ecology.
11. Explain traditional wisdom of inhabitants around protected area.

## **PART – C**

12. Describe hotspots of biodiversity.
  13. Describe environmental impact assessment (EIA).
  14. Discuss role of WPA in biodiversity conservation.
  15. Describe herbivory in detail.
  16. Describe “Tiger reintroduction”
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