

**7241**

**M. Sc. II<sup>nd</sup> SEMESTER EXAMINATION, 2019**

**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**

Q.1 Answer all questions -

- (i) Why Biodiversity important?
- (ii) Differentiate between Ecosystem diversity and Species diversity.
- (iii) What is the Relevance of IUCN Red Data Book?
- (iv) Which species categories include in Red List?
- (v) What is Project Tiger in which year Tiger Project launched?
- (vi) What is captive breeding?
- (vii) Define population ecology.
- (viii) What is endangered species?
- (ix) Define environmental impact assessment.
- (x) Define intraspecific diversity.

## **PART – B**

### **UNIT – I**

Q.2 Describe Ecosystem and Biome diversity.

Q.3 Explain “India as a Mega-Diversity Nation”.

### **UNIT – II**

Q.4 Describe over-exploitation and over-abundance.

Q.5 Write about Habitat Degradation.

### **UNIT – III**

Q.6 What is Conservation Biology explain with example?

Q.7 Write conservation categories of taxa according to IUCN, CITES and WPA.

### **UNIT – IV**

Q.8 Describe Plant animal Interactions.

Q.9 Describe Community ecology.

### **UNIT – V**

Q.10 What is propagation? Explain Human factors leading to extermination /extinction of species.

Q.11 Describe species reintroduction programs.

## **PART – C**

Q.12 Describe Genetic biodiversity also explain uses, importance.

Q.13 Describe Poaching of wildlife and Man-wildlife conflicts.

Q.14 Write note on conservation of Biodiversity and why wildlife is very important in Biodiversity?

Q.15 Describe Plant defenses and Food selection.

Q.16 Describe “Traditional value of tribals and local people around protected area”.