

Total number of printed pages-3

3 (Sem-6/CBCS) ZOO HE 4

2025

**ZOOLOGY**

(Honours Elective)

Paper : ZOO-HE-6046

**(Wildlife Conservation and Management)**

Full Marks : 60

Time : Three hours

**The figures in the margin indicate full marks for the questions.**

1. Answer the following : 1×7=7
  - (a) What is conservation ethics ?
  - (b) What is ecological density ?
  - (c) What is carrying capacity ?
  - (d) What do you mean by climax community ?
  - (e) What is the full form of GIS ?
  - (f) What is Topography ?
  - (g) Give two ecological value of wildlife.

B01FS 0162

Contd.



2. Answer briefly : (Differentiate between)

2×4=8

- (i) Crude density and ecological density
- (ii) National Park and Wildlife Sanctuary
- (iii) In-situ and Ex-situ conservation
- (iv) Climax community and pioneer community.

3. Write short notes on : (any three) 5×3=15

- (a) Ecotourism
- (b) Project Tiger
- (c) Community reserve
- (d) Wildlife corridor
- (e) Biological parameters of wildlife.

4. Answer elaborately : 10×3=30

- (a) What is in-situ conservation?  
Elaborate the approaches to in-situ conservation of wildlife in India and comment upon the advantages of the approach.

1+8+1=10

Or

What is remote sensing? Explain how remote sensing helps in wildlife studies.

2+8=10

- (b) What is Red Data Book? What are the various Red list categories? Outline the IUCN criteria for recognition of threatened (CR, EN and VU) species. 1+5+4=10

Or

What is wildlife conservation? Write down the causes of wildlife depletion and its conservation measures.

1+6+3=10

- (c) Why census is necessary? Differentiate between total count and sample count. What is quadrat sampling?

2+5+3=10

Or

What are the basic criteria for the measurement of pugs of tiger? Differentiate between hind and front pugmark. How could you distinguish between male and female tiger pugmark.

2+4+4=10