Total number of printed pages–3

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.

Contd.

2. Answer briefly : *(Differentiate between)*

$2 \times 4 = 8$

(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)* $5 \times 3 = 15$

(a) Ecotourism

(b) Project Tiger

(c) Community reserve

(d) Wildlife corridor

(e) Biological parameters of wildlife.

4. Answer elaborately : $10 \times 3 = 30$

(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 quadrate sampling? $2+5+3 = 10$

Or

What are the basic criteria for the measurement of pugs of tiger ? Differentuate between hind and front pugmark. How could you distinguish between male and female tiger pugmark. $2+4+4 = 10$

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