

This question paper contains **3** printed pages]

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S. No. of Question Paper : **107**

Unique Paper Code : **32237911**

Name of the Paper : **Wildlife Conservation and Management**

Name of the Course : **B.Sc. (H) Zoology**

Semester : **VI**

Duration : **3 Hours**

Maximum Marks : **75**

(Write your Roll No. on the top immediately on receipt of this question paper.)

Attempt *five* questions in all, including question No. 1,

which is compulsory.

1. (a) Define the following :

1×4=4

(i) Habitat

(ii) Biotelemetry

(iii) Biotic potential

(iv) Ecotourism

(b) Distinguish between the following :

2×4=8

(i) Preservation and Conservation

(ii) GPS and GIS

(iii) Active remote sensors and Passive remote sensors

(iv) Endangered and Vulnerable species

P.T.O.

- (c) Expand the following : 1×4=4
- (i) IUCN
 - (ii) CITES
 - (iii) NBWL
 - (iv) UNEP
- (d) Fill in the blanks : 1×3=3
- (i) are infectious diseases that spread between animals and human beings.
 - (ii) Bovine tuberculosis is caused by
 - (iii) The colour of hair is due to pigment granules embedded in layer.
- (e) Briefly explain the following statements : 2×2=4
- (i) Non-native species should not be rehabilitated or release in the wild.
 - (ii) Prescribed fire can only be used at particular locations and time of the year for setting back succession.
- (f) Illustrate the following with the help of diagrams (no description required) : 2×2=4
- (i) Structure of a hair
 - (ii) Felid and Canid pugmarks
2. (a) Enumerate the underlying reasons for depletion of Indian Wildlife. 8
- (b) Describe the various methods of setting back succession. 4

3. Describe the Geographical Information System along with its components and working mechanism. Briefly discuss its advantages. 12
4. (a) What are the key physical parameters involved in the evaluation and management of wildlife ? Explain with the help of examples. 8
(b) Explain the positive and negative values of wildlife. 4
5. (a) When was project tiger initiated in India ? What are its objectives and outcomes ? Give any *two* examples of tiger reserves in India. 6
(b) Describe any *one* disease of wildlife emphasizing on its causative agent, reservoir, symptoms and control measures. 6
6. (a) What is a climax community ? Write the characteristics and theories of climax community. 6
(b) Describe various ethical perspectives for wildlife management and conservation. 6
7. Write short notes on any *three* of the following : 4×3=12
 - (i) Restoration of degraded habitats
 - (ii) Census method
 - (iii) Setting back succession
 - (iv) Conservation Ethics
 - (v) Remote sensing.