



Seat No. _____

HB-003-1184004

M. Sc. (Sem. IV) (CBCS) (W.E.F. 2016) Examination

April - 2023

Zoology : ZOOL-422

(Wildlife Biology & Animal Behaviour)

Faculty Code : 003

Subject Code : 1184004

Time : $2\frac{1}{2}$ Hours / Total Marks : 70

1 Answer the following very briefly (Any Seven) : 2×7=14

- (a) Define desert.
- (b) Describe the importance of Zoo.
- (c) Define Endangered species.
- (d) What is Circadian Rhythm ?
- (e) What is the largest delta in India ?
- (f) Write name of any 4 National Parks of Gujarat with its location.
- (g) What is Rodents damage ?
- (h) What is Kin selection concept ?
- (i) Define Altruism.
- (j) What is IUCN RED LIST ?

2 Answer the following (Any Two) : 7×2=14

- (a) Discuss the classification of Indian Herpetofauna.
- (b) Discuss the wildlife depletion in India and legislation for it.
- (c) Write about 3S technology and its use in wildlife.

3 Answer the following : **7×2=14**

- (a) Write short note on adaptive radiation.
- (b) Write a short note on circadian rhythm.

OR

- (a) Write a short note on migration of fish.
- (b) Write about wildlife of Tropical Evergreen forest.

4 Answer the following ; **7×2=14**

- (a) Write a short note on Khijadiya Bird Sanctuary.
- (b) Describe GPS and its use in wildlife.

5 Answer the following (Any Two) : **7×2=14**

- (a) Describe migratory route of birds.
 - (b) Describe Zoogeographical realm in detail.
 - (c) Describe Himalayan Mountain system with reference to their climate, flora and fauna.
 - (d) Give a detailed account on Kairanga National Park.
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