



PT-003-1184004

Seat No. _____

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

August - 2020

Zoology : Paper - ZOOL-422

(Wildlife Biology & Animal Behaviour)

(Elective)

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 Herpetofauna?
- (b) Name any four National parks in Gujarat with location.
- (c) What is the ungulates damage?
- (d) Describe the importance of Zoos.
- (e) Write about 3 technology in wildlife study.
- (f) What are the uses of hand tally Counter?
- (g) What is the star attraction in trade of India?
- (h) Define Reciprocal Altruism?
- (i) What are the largest Biosphere Reserves in India?
- (j) What are the salient features of the birds?

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

- (a) Write short notes on Wildlife of Tropical Evergreen Forest.
- (b) Describe Flora and Fauna of Himalayan Mountain system with reference to their climate.
- (c) Write notes on Wild Ass Sanctuary.

3 Answer the following : **7×2=14**

- (a) Write a short note on Marine National Park.
- (b) Explain the conservation of Wildlife in India and its importance.

OR

- (a) Write a short note on GPS and its use in Wildlife.
- (b) Write a short note on Extensive management.

4 Answer the following : **7×2=14**

- (a) Notes on trade in integument derivatives of mammals in India.
- (b) Discuss the circadian rhythm with its mechanism.

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

- (a) Write Short note on Primates.
- (b) Briefly describe wildlife depletion in India and legislation for it.
- (c) Describe catadromus migration in fish.
- (d) Briefly describe the Kin Selection concept in Hymenoptera.
