

M.Sc. (Zoo) Semester - 4 (CBCS) Examination**March/April- 2019****Wildlife Biology and Animal Behaviour
(ELECTIVE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que-1 Answer the following. (Any seven out of ten question) (14)
- (1) Explain instinct with examples.
 - (2) Define imprinting.
 - (3) What is the scope of wildlife studies?
 - (4) What is peninsula?
 - (5) Why we need to study animal behavior?
 - (6) What is an endangered species?
 - (7) What are the challenges of animal migration?
 - (8) How foraging and feeding behaviours are different?
 - (9) Write application of socio-biology.
 - (10) Make a list of fauna of Anadaman – Nicobar islands.
- Que-2 Answer the following. (Any two out of three) (14)
- (1) Give detailed classification of Amphibia.
 - (2) Describe Indian deserts in detail.
 - (3) Describe Mangrove Forests - Sundarvan
- Que-3 Answer the following. (14)
- (1) Describe causes of wildlife depletion and legislation.
 - (2) Give details of national parks and sanctuaries of Gujarat.
- OR
- Que-3 Answer the following.
- (1) Write about zoos of Gujarat.
 - (2) Write short note on marine life of India.
- Que-4(A) Answer any two out of three questions. (10)
- (1) Explain about instruments used for wildlife management.
 - (2) Lion sanctuary project.
 - (3) How we can save endangered species. Explain with examples.
- Que-4(B) Write short note on any one out of two (04)
- (1) Migratory routes
 - (2) Project tiger and Musk deer project.
- Que-5 Write short note on (any two out of four). (14)
- (1) Sexual behavior.
 - (2) Socio biology of animals.
 - (3) Circadian rhythm and Altruism.
 - (4) Zoogeographical realms.
