

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
OCT/NOV-2025 (AS PER SYLLABUS YEAR JUNE-2019)
Wildlife And Animal Behavior (Elective (New))

Time: 2:30 Hours**Marks:70****Instructions:**

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

SECTION-1**Que. 1 Answer the Following.**

- (A) Write in detail about habitat characterization-ground and remote sensing methods. [07]
(B) Explain Ecological sub divisions of Indian wildlife. [07]

OR

Que. 1 Explain concepts and rate of change in gene frequency through natural selection, migration and random genetic drift. (14)

Que. 2 Answer the Following.

- (A) Explain Instruments used in wildlife poaching and man-wildlife conflicts. [07]
(B) Describe Bio-resource and uses of biodiversity, Biosensors. [07]

OR

Que. 2 Describe Wildlife protection act, Projects, trades in wildlife. (14)

Que. 3 Answer any seven out of eight. (07)

- (1) What is gene pool?
- (2) What is biosensor?
- (3) Which animals use mangrove as their habitat?
- (4) Draw some pugmarks.
- (5) How to control poaching?
- (6) What is genetic drift?
- (7) Describe Habitat characterization.
- (8) Write about random genetic drift.

SECTION-2

Que. 4 Describe Marine animal associations: commensalisms, symbiosis and parasitism. (14)

OR**Que. 4 Answer the Following.**

- (A) Describe Special features of mangrove habitats and distribution of animals in mangrove ecosystems. [07]
(B) Describe Special features of coral reef habitats and distribution of coral reef organisms. [07]

Que. 5 Describe Sexual behavior, social behavior and parental care. (14)

OR**Que. 5 Answer the Following.**

- (A) Explain orientation and navigation; domestication and behavioral changes. [07]
(B) Explain reciprocal altruism and Kin selection concept, its importance in Hymenoptera. [07]

Que. 6 Answer any seven out of eight. (07)

- (1) How Imprinting works?
- (2) Describe any two methods of biodiversity monitoring.
- (3) What is Commensalism?
- (4) Name some keystone species.
- (5) Expand and explain IUCN.
- (6) What are Instincts?
- (7) What is territoriality?
- (8) How migration works?
