

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
Nov/Dec-2023 (NEW COURSE)
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-I

- Q.1 Answer the following (Two short Questions)**
- (A) Explain: Population genetics. 07
- (B) Write about GPS, GIS and remote sensing. 07
- OR**
- Q.1 Answer the question (One long Question)** 14
- Write about methods in field biology.
- Q.2 Answer the following (Two short Questions)**
- (A) Write about instruments used in wildlife study. 07
- (B) Give a detailed account on bio-resource and uses of biodiversity. 07
- OR**
- Q.2 Answer the question (One long Question)** 14
- Write your views on man wild life (leopard and lion) conflict and its solutions.
- Q.3 Answer the following (any seven out of eight questions)** 07
- (1) Isolating mechanisms.
- (2) Biosensor.
- (3) Hardy-Weinberg law.
- (4) Habitat characterization.
- (5) Poaching.
- (6) Trades in wildlife.
- (7) Speciation.
- (8) Legislations to save animals.

SECTION-II

- Q.4 Answer the question (One long Question)** 14
- Describe in detail: The shore environment.
- OR**
- Q.4 Answer the following (Two short Questions)**
- (A) Describe physico-chemical and biological factors of intertidal zone. 07
- (B) Write a note: zonation. 07
- Q.5 Answer the question (One long Question)** 14
- What is migration? Describe "migration in birds and fishes".
- OR**
- Q.5 Answer the following (Two short Questions)**
- (A) Describe Kin selection concept, its importance in hymenoptera and altruism. 07
- (B) Write about courtship with examples. 07
- Q.6 Answer the following (any seven out of eight questions)** 07
- (1) Desiccation.
- (2) Commensalism.
- (3) Circadian rhythm.
- (4) Threats to marine habitat.
- (5) Sleep and arousal.
- (6) Imprinting.
- (7) Spray zone.
- (8) Instincts.
