

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
Oct/Nov-2021 (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.
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SECTION-1

- Que. 1 Answer any two of the Following.** (14)
(A) Make a note on co-evolution and convergent evolution.
(B) Describe density, abundance, and frequency with suitable examples.
(C) Explain methods in field biology.
- Que. 2 Answer any two of the Following.** (14)
(A) Biosphere reserves and major sanctuaries of India.
(C) Describe causes of wildlife depletion and legislation.
(B) Make a short note on important national parks of India.
- Que. 3 Answer any seven out of eight.** (07)
(1) What is genetic drift? Name three processes that cause genetic drift.
(2) Explain atavism.
(3) What is Hardy-Weinberg Law?
(4) Explain Gradualism.
(5) What are the reasons for man-wildlife conflict?
(6) Explain any remote sensing method.
(7) Write about trades in wildlife.
(8) What is a biodiversity hotspot?

SECTION-2

- Que. 4 Answer any two of the Following.** (14)
(A) Zonation and adaptation of organisms in the intertidal habitats.
(B) Distribution of life on rocky shores, sandy shores, and muddy shores.
(C) Coral reef ecology.
- Que. 5 Answer the Following.** (14)
(A) Describe reproductive behavior with examples.
(B) Write about sleep, arousal, and biological clocks.
- Que. 6 Answer any seven out of eight.** (07)
(1) Explain instinct with examples.
(2) Define imprinting.
(3) Describe Kin selection concept.
(4) Explain territoriality.
(5) Which animals use mangrove as their habitat?
(6) What are the characteristics of a peninsula?
(7) List out some of the shores in Gujarat and their type.
(8) Explain altruism.
