

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
DEC/JAN. - 2020 - [NEW COURSE]
Wildlife And Animal Behavior (Elective (New))

Time: 1:30 Hours**Marks: 42****Instructions:**

1. Figure to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any three of the following questions.
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- Q.1 Answer any seven out of ten. (14)
1. What are the reasons for loss of wild life?
 2. What is meant by conservation status?
 3. Describe co-evolution.
 4. Which items are more popular in illegal wild life trades?
 5. Explain Hardy-Weinberg law in short.
 6. What is Circadian rhythm?
 7. Describe social communication.
 8. Explain Kin selection concept.
 9. Describe reciprocal altruism with examples.
 10. Explain sandy intertidal zone in short.
- Q.2 Answer the following. (Any Two out of Three) (14)
1. How remote observations are useful in wildlife research?
 2. Explain wildlife management and its importance.
 3. Make a detail note on population genetics.
- Q.3 Answer the following. (Any Two out of Three) (14)
1. How can we protect endangered species? Provide examples.
 2. Give details of national parks of Gujarat.
 3. Describe bioresource and use of biodiversity, Biosensors.
- Q.4 Answer the following. (Any Two out of Three) (14)
1. Explain Shore environment and physico-chemical and biological factors of Intertiditional zone.
 2. Explain how adaptations help animals to survive successfully on shoreline.
 3. Write short note on marine fauna.
- Q.5 Answer the following. (Any Two out of Three) (14)
1. Describe Bird migration.
 2. Explain courtship behavior in any three animals with details.
 3. Describe instinct, imprinting, learning, foraging, and feeding behavior with examples.
