Q.P. Code No.31614

Sixth Semester B.Sc., Degree Examinations

May / June 2026

(CBCS NEP Scheme)

Zoology Core Course - VIII

NSF0640 : Paper VIII : Environmental Biology Wild life Management and Conservation

[Max.Marks:60

Time: 2 hrs.]

Instructions to the candidates :

1. *The students should legibly write Section number along with question numbers within the margin only.*
2. *The answers without Section number and question numbers will not be valued.*
3. *Draw neat and labelled diagrams wherever necessary.*
4. *Answer Section – I Multiple Choice questions should be answered in the first page of the main answer book and same questions shall not be answered repeatedly.*
5. *Any identifications like marking, ticking, dots etc., in the options of MCQ questions (SECTION - I) on the question paper is strictly prohibited. Do not write anything (except Reg No.) on the question paper.*

SECTION – I

I. *Select the most appropriate answer from the options provided :* *10X 1= 10 Marks*

I -1) Which one of following states that an organism's survival depends on environmental factors being within its tolerance ranges

a) Shelford's law
b) Liebig law
c) Allen's rule
d) Gause's principal

I -2) Example for Lotic ecosystem

a) River
b) Stream
c) Channells
d) All of these

I -3) In which food chain the food energy transfers from larger organisms to smaller organisms,

a) Parasitic food chain
b) Predator food chain
c) Grazing food chain
d) None of these

I -4) Ramsar Convention on Wetlands was signed in the year

a) 1970
b) 1971
c) 1975
d) 1978

Contd...2

I -5) Which chemical is primarily responsible for the depletion of the ozone layer?

a) Methane b) Nitrogen oxide

c) Chlorofluorocarbons(CFC'S) d) Carbon monoxide

I -6) Which of the following will not come under In-situ conservation?

a) Zoo's b) Bio-reservoirs

c) National parks d) Wildlife sancturies

I -7) Which of the following is an indirect cause for the destruction of wild life?

a) Habitat loss b) Habitat fragmentation

c) Habitat shrinkage d) All of these

I -8) Which adaptation is commonly found in nocturnal animals that are active at night?

a) Colorful skin to attract mates b) Thick, heavy fur

c) Large, sensitive eyes d) None of these

I -9) The trapped heat energy causes the inside air temperature to rise and keeps it warmer than the surroundings. This phenomenon is known as

a) Global warming b) Acid rain

c) Green house effect d) Ozone depletion

I -10) Bioaccumulation differs from biomagnifications by

a) Decrease of pollutants across tropic levels

b) Accumulation of pollutants within a single organism over time

c) Breakdown of inorganic matter into simpler substances

d) Removes harmful compounds from the body

SECTION – II

II. ***Answer any FIVE of the following. :*** ***5X 3= 15 Marks***

II -1) Explain tropic levels

II -2) Write a note on desert environment.

II -3) Explain grassland environment

II -4) Define food web with example

II -5) Give a note on Red data book

II -6) Explain bioremediation

II -7) Write a note on wildlife corridors

II -8) Give an account on Habitat preservation.

Contd...3

SECTION –III

III. ***Answer any THREE questions from the following.*** *3X 5= 15 Marks*

III-1) Define food chain and classify it with suitable examples

III-2) Explain adaptive features of animals to temperature

III-3) Explain IUCN categories with examples

III-4) Describe various methods for animal census

III-5) Discuss the effect of pollution on plants and animals.

SECTION - IV

IV. ***Answer the following:*** *2X 10= 20 Marks*

IV- 1) Describe Air and Water pollution.

OR

Discuss in details the various causes for the depletion of wildlife.

IV- 2) Describe the strategies for wildlife conservation.

OR

Explain the following :

a) Project Tiger

b) Desert Ecosystem

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