

NS - 334

V Semester B.Sc. Examination, November/December 2016
(Repeaters - Prior to 2016-17)
(NS - 2013-14 and Onwards)
ZOOLOGY (Paper - V)
Environmental Biology and Ethology

Time : 3 Hours

Max. Marks : 70

- Instructions :** 1) Draw diagrams *wherever necessary*.
2) Answer should be **completely written in Kannada or English**.

BMSCW

PART - A

I. Answer **any five** of the following :

(5×3=15)

1. Briefly explain Macrohabitat with an example.
2. State first law of Thermodynamics. Substantiate it with an example.
3. Write a brief note on Monoclimax theory.
4. List any three effects of acid rain.
5. Write a brief note on sanitary latrines.
6. Write a note on taxes.
7. What are pheromones ? Mention its role in communication.

PART - B

(5=25)

II. Answer **any five** of the following :

(5×5=25)

1. Write notes on :
 - a) Mortality
 - b) Age distribution
2. Explain the causes and effects of ozone layer depletion.
3. Give an account of biological treatment of air pollutants.

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4. Write a note on solar energy.
5. Define remote sensing. Explain any two types.
6. Explain trial and error learning, with an example.
7. Briefly explain communication in Honeybees.

PART - C

III. Answer **any two** of the following :

(2x10=20)

1. Discuss light as an ecological factor.
2. Give an account of intraspecific and interspecific interactions in animals.
3. Write notes on :
 - a) Biological control
 - b) Insecticides.
4. Explain social behaviour in termites.

PART - D

IV. Answer **any one** of the following :

(1x10=10)

1. Mention ten National Parks in India and name their Fauna.

OR

2. Describe parental care in Fishes and Amphibians.