



SN – 379

V Semester B.Sc. Degree Examination, Nov./Dec. 2017
(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 in Kannada or English.*

PART – A

I. Answer **any five** of the following : (5×3=15)

- 1) Write a note on synecology.
- 2) State the laws of thermodynamics.
- 3) Mention any three green house gases and their source.
- 4) What are rodenticides ? Give two examples.
- 5) Define endangered species citing any two examples.
- 6) Write a note on instincts.
- 7) Briefly explain bioluminescence.

PART – B

II. Answer **any five** of the following : (5×5=25)

- 1) Explain the following :
 - a) Antibiosis
 - b) Commensalism.
- 2) Write an explanatory note on the causes and effects of acid rain.
- 3) What is biomagnification ? Explain with an example.
- 4) Explain any two methods of solid waste management.
- 5) Differentiate between active and passive remote sensing.
- 6) Write a note on habituation, with an example.
- 7) Differentiate between predatory and parasitic mimicry.

P.T.O.



PART - C

III. Answer any two of the following :

(2x10=20)

- 1) Discuss "Temperature" as an abiotic factor.
- 2) Give an account of any five population properties.
- 3) Write notes on :
 - a) Red data book
 - b) Biological control.
- 4) Explain the role of pheromones in communication.

PART - D

IV. Write notes on :

(1x10=10)

- a) Polyclimax theory of succession
- b) Sun as renewable source of energy

OR

Write an essay on migration in fishes.

BMSCW