



SS – 376

V Semester B.Sc. Examination, November/December 2018
(NS) (Repeaters) (2013 – 14 and Onwards) (Prior to 2016 – 17)
ZOOLOGY (Paper – V)
Environmental Biology and Ethology

Time : 3 Hours

Max. Marks : 70

- Instructions :** 1) Draw neat labelled diagrams wherever necessary.
2) Answers should be completely in **English or Kannada**.

PART – A

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

BMSCW (5×3=15)

- 1) Define spatial niche. Give an example.
- 2) Briefly explain the concept of net primary productivity.
- 3) Comment on dispersion as a population attribute.
- 4) Explain parasitism with a suitable example.
- 5) What are fungicides ? Give two examples.
- 6) Write a note on alarm calls.
- 7) Enumerate any three diagnostic features of biological clock.

PART – B

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

(5×5=25)

- 1) Justify soil as an abiotic factor.
- 2) Give an account of mutualism.
- 3) Enumerate the important causes and effects of acid rain.
- 4) List the harmful effects of
 - a) Lead
 - b) Mercury.

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- 5) With respect to solid waste management explain land filling and incineration.
- 6) Write a note on taxes.
- 7) Give an account of dances in honey bees.

PART - C

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

(2x10=20)

- 1) Discuss light as an abiotic factor.
- 2) Explain chemical and biological control as approaches to pest management.
- 3) Write notes on :
 - a) Red-data book
 - b) Biodiesel
- 4) Discuss social behaviour in ants.

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PART - D

IV. With respect to remote sensing explain :

(1x10=10)

- a) Principle
- b) Types
- c) Applications.

OR

Write an essay on bird migration.
