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S.Y.B.Sc. (ZOOLOGY)
ZOO24102: ANIMAL ECOLOGY
(Semester IV)

Program: B.Sc. Gen03
Program Specific: Zoology
Course Type: Mandatory Major
Paper: II

Credits: 2
Time: 2 Hours
Max. Marks: 30
SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

Q1) Answer the following

[5 X 1= 5]

- a) What is Ecology?
- b) Define Population.
- c) What is abiotic component?
- d) Define Biomass.
- e) What is Energy?

Q2) Answer the following (Attempt any 5/7)

[5 X 2 =10]

- a) What is competitive interaction.
- b) Describe community characteristics.
- c) What is quadrat method?
- d) Explain species richness.
- e) Write a note on mutualism.
- f) Explain prey predation with example.
- g) Write a note on survivorship curve.

Q3) Answer the following/Write short notes on following (Attempt any 2/4)

[2 X 5 = 10]

- a) Write a note on Eutrophication.
- b) Sketch and label pond ecosystem.
- c) Explain Grassland Ecosystem.
- d) What is Antagonistic association.

Q4) Answer the following (Attempt any 1/2)

[5 X 1 = 5]

- a) Explain lentic ecosystem.
- b) Describe characters of population.
