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Class – B.Sc. I (Medical)

Subject – Zoology

Paper – Zoo-II A (Ecology)

Time Allowed : 3 Hours

Maximum Marks : 35

Question 1 is compulsory. Attempt ONE question from each unit. Draw neat & well labelled diagram wherever required.

- Q1. (i) Ecological Niche 1
- (ii) Commensalism 1
- (iii) Amniocentosis 1
- (iv) Mimicry <http://www.gnduonline.com> 1
- (v) Palaeoecology & Demecology 1
- (vi) Shelford's Law of Tolerance 1
- (vii) Food Chain 1

UNIT - I

- Q2. (i) Discuss the Pond Ecosystem in brief. 4
- (ii) Explain the Food Web in brief. 3

OR

- Q3. Discuss the Temperature as an Limiting Factor. 7

UNIT - II

- Q4. (i) Explain in detail Natorial Adaptation 4
- (ii) Draw only flow chart of Nitrogen Cycle in Nature. 3

OR

- Q5. Explain morphological & physiological adaptations in different parasites. 7

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UNIT - III

- Q6. (i) Discuss the Population Growth Curves. 4
- (ii) Discuss Interspecific & Intraspecific Competition. 3

OR

- Q7. Explain Ecological Succession in detail. 7

UNIT - IV

- Q8. Explain the Land as a non - renewable resource & its conservation. 7

OR

- Q9. What is Atmospheric Pollution? Discuss its causes, impact & control in detail. 7
