

2316
Class – B.Sc. I (Medical)
Subject – Zoology
Paper – Zoo-II A (Ecology)

75

Time Allowed : 3 Hours

Maximum Marks : 35

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

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|----------|-----------------------------|---|
| Q 1. (i) | Ecological Niche | 1 |
| (ii) | Commensalism | 1 |
| (iii) | Amniocentosis | 1 |
| (iv) | Mimicry | 1 |
| (v) | Palaeoecology & Demecology | 1 |
| (vi) | Shelford's Law of Tolerance | 1 |
| (vii) | Food Chain | 1 |

UNIT - I

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|----------|--------------------------------------|---|
| Q 2. (i) | Discuss the Pond Ecosystem in brief. | 4 |
| (ii) | Explain the Food Web in brief. | 3 |

OR

- Q 3. Discuss the Temperature as an Limiting Factor. 7

UNIT - II

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

OR

- Q 5. Explain morphological & physiological adaptations in different parasites. 7

UNIT - III

- Q 6. (i) Discuss the Population Growth Curves. 4
(ii) Discuss Interspecific & Intraspecific Competition. 3

OR

- Q 7. Explain Ecological Succession in detail. 7

UNIT - IV

- Q 8. Explain the Land as a non-renewable resource & its conservation. 7

OR

- Q 9. What is Atmospheric Pollution? Discuss its causes, impact & control in detail. 7
