

(i) Printed Pages: 2

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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B.A./B.Sc. (General) 2nd Semester

1059

ZOOLOGY

Paper—II : Biodiversity and Ecology—II (Zoo-202)

Time Allowed : Three Hours] [Maximum Marks : 36

Note :— (1) Question No. 1 is compulsory.

(2) In all, **five** questions are to be attempted including the compulsory question.

(3) Select any **one** question from each unit.

1. Explain the following :

(i) Operculum

(ii) Radula

(iii) Economic importance of *Patella*

(iv) Stone Canal

(v) Endoparasites

(vi) Dominant species

(vii) Niche

(viii) Buffer Zone.

1×8

UNIT—I

2. Describe the structure of Male and Female reproductive system in *Pila*. 7
3. Classify up to order and give a brief ecological note and economic importance (if any) of :
 - (a) *Doris* 3
 - (b) *Loligo* 2
 - (c) *Octopus*. 2

UNIT—II

4. Give an account of the Haemal or Circulatory system of Starfish. 7
5. (a) Comment upon the Affinities of Hemichordata. 4
- (b) Discuss the external characters of Balanoglossus. 3

UNIT—III

6. (a) Differentiate between the Intra and Interspecific competition. Explain with examples. 4
- (b) Explain the concept of Parasitism. 3
7. Define Ecological Succession and explain in detail Primary and Secondary succession. 7

UNIT—IV

8. What is Water pollution ? Discuss in detail its causes, impact and control. 7
9. Discuss the following :
 - (a) Noise Pollution. 4
 - (b) Wildlife conservation significance. 3