

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

0	1	5	7
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Exam. Code :

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

1048

ZOOLOGY

Paper-II : Biodiversity & Ecology-II (ZOO-202)

Time Allowed.: Three Hours]

[Maximum Marks : 36

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

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

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

1. Explain the following :—

- (i) Osphradium
- (ii) Monopectinate gill
- (iii) Systematic position of *Antedon*
- (iv) Tiedemann's bodies
- (v) Hydrarch
- (vi) Fossil Fuel
- (vii) Altruism
- (viii) Buffer Zone.

1×8

UNIT—I

2. Describe the alimentary canal of *Pila*. Also discuss the process of ingestion and digestion. 7
3. Classify up to order and give a brief ecological note and economic importance of :
 - (a) *Chiton*. 3
 - (b) *Sepia*. 2
 - (c) *Dentalium*. 2

UNIT—II

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

UNIT—III

6. Explain with examples :—
 - (a) Commensalism. 3
 - (b) Parasitism. 4
7. Write notes on :—
 - (a) Xerarch succession. 3
 - (b) Climax state. 2
 - (c) Dominant species. 2

UNIT—IV

8. What is Water pollution ? Discuss in detail its causes, impact and control. 7
9. Discuss the following :—
 - (a) Soil Resources and its Conservation. 5
 - (b) Biosphere reserve. 2