

(i) Printed Pages :2

Roll No.

(ii) Questions :9

Sub. Code :

0	1	5	5
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Exam. Code:

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B.A./B.Sc.(General) 2nd Semester 1046

ZOOLOGY

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

Time : 3 Hours]

[Max. Marks : 36

Note :- (i) Question No. I is compulsory.

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

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

I. Briefly explain the following

(i) Eutrophication

(ii) Gause's rule

(iii) Ecotone

(iv) Columella

(v) Dermal Branchiae

(vi) Vulnerable species

(vii) Association between Hermit Crab and Sea Anemone.

(viii) Expand ZSI and DDT.

1x8=8

UNIT-I

II. Describe the alimentary canal of PILA. Discuss the process of ingestion and digestion also in this animal.

5+1/2+1 1/2=7

- III. (a) Draw Pallial complex of female PILA.
 (b) Write an ecological note and economic importance of any three of following :
 (i) LIMAX
 (ii) LOLIGO
 (iii) ANODONTA
 (iv) SOLEN

1x3=3

UNIT-II

- IV. Describe the water vascular system of ASTERIAS and comment upon its utility.
- V. (a) Discuss the external characters of BALANOGLOSSUS.
 (b) Draw well labelled diagrams of Echinopluteus and Bipinnarian larva of Echinoderms.

5+2=7

1½+1½+3=6

UNIT-III

- VI. What are Negative interspecific Interactions among organisms? Give their kinds. Explain any one of them in detail with examples.
- VII. (a) Explain Xerarch succession.
 (b) Write a note on Ecological Niche.

½+1+5½=7

4

3

UNIT-IV

- VIII. Give an account of causes, impact and control of Air Pollution.
- IX. (a) How can the water resources be conserved ?
 (b) Enumerate Various causes of extinction of Wild Life.

2+2+3=7

4

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