

91550

B.Sc. 2nd Semester New Scheme Examination,
May-2017

BIOTECHNOLOGY

Paper-BT-204

Animal Diversity & Economic Zoology

Time allowed : 3 hours] [Maximum marks : 40

Note : Question No. 1 is compulsory and attempt any four questions selecting one question from each unit given below. All questions carry equal marks.

1. Write the note on following : 1×8
- (a) Non-chordate
 - (b) Paramoecium
 - (c) Mesogloea
 - (d) Host
 - (e) Hermaphrodite
 - (f) Name of respiratory organ in insect
 - (g) Mantle
 - (h) Shell

Unit-I

2. Describe general feature and life cycle of malarial parasite in details. 8

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[P.T.O.]

3. Write the short notes on any two :
- (a) Locomotion in Protozoa
 - (b) Skeleton system of phylum Porifera
 - (c) Coelomate and Acoelomate non-chordate 8

Unit-II

4. Describe the Polymorphism in phylum Coelenterate. 8
5. Write the short notes on any two : 8
- (a) Various types of stinging cells
 - (b) Parasite adaptation in Platyhelminthes
 - (c) Pathogenic Roundworm

Unit-III

6. What is Insect ? Describe the role of various insects as disease vectors ? 8
7. Write short notes on any two : 8
- (a) General feature of Annelida
 - (b) Vermicomposting
 - (c) Apiculture

Unit-IV

8. Describe the general feature and classification of phylum Mollusca. 8
9. Write short notes on any *two* : 8
- (a) Hemichordata
 - (b) Classification of Echinodermata
 - (c) Shell diversity in Mollusca