

Roll No.

91550

**B. Sc. (Bio-Technology) 2nd Sem.
(New Scheme) Examination – May, 2016**

ANIMAL DIVERSITY ECONOMIC ZOOLOGY

Paper : BT-204

Time : Three Hours]

[Maximum Marks : 40

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : The candidates are required to attempt *five* questions out of *nine*. Question No. 1 is *compulsory*. Attempt *one* question from each Unit-I to Unit-IV.

1. Write short notes on the following : 1 × 10 = 10
- (a) Protostomes
 - (b) Schizogony
 - (c) Spicules

- (d) Spongocoel
- (e) Stinging cells
- (f) Metacercaria larva
- (g) Torsion and Detorsion
- (h) Bipinnaria larva
- (i) Apiculture
- (j) Amphimixis

UNIT – I

- 2. Give an illustrated Account of Life Cycle of Plasmodium Vivax. 7
- 3. Explain in detail canal system in Porifera. 7

UNIT – II

- 4. Discuss :
 - (a) Metagenesis in coelentrates
 - (b) Parasitic adaptations 7
- 5. Discuss general character and classification of Platyhelminths. 7

UNIT – III

6. Discuss : 8
- (a) Nephridial system of Pheretima.
 - (b) Economic importance of Earthworm.
7. Discuss : 8
- (a) Larval forms of Crustacean.
 - (b) Insect Vectors of Diseases.

UNIT – IV

8. Write notes on the following : 8
- (a) Shell Diversity in Mollusca.
 - (b) General characters of Echinodermata.
9. Give an account of Affinities of Balanoglossu. 8
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