



K16U 1595

Reg. No. :

Name :

V Semester B.Sc. Degree (CCSS – Supple./Imp.) Examination,
November 2016

CORE COURSE IN ZOOLOGY
5B05 ZLG : Diversity of Life – I
(2013 and Earlier Admissions)

Time : 3 Hours

Max. Weightage : 25

I. Answer **any one** :

(Weightage 4)

1) Write a short note on major classes of annelids with example.

2) Describe the life cycle and pathogenicity of plasmodium.

(1×4=4)

II. Answer **any one** :

(Weightage 4)

3) Explain briefly the larval forms of *Penaeus*.

4) Explain the distribution and affinities of *Peripatus*.

(1×4=4)

III. Answer **any four** :

(Weightage 2 each)

5) Describe briefly the pathogenicity of *Fasciola hepatica*.

6) Write down the bodily features of *Ancylostoma*.

7) Explain the prophalaxis and pathogenicity of *Trypanosoma*.

8) Describe the economic importance of molluscs.

9) Write notes on the thoracic appendages of *Penaeus*.

10) Comment on the morphology of obelia.

11) Give an account on canal system in sponges.

(4×2=8)

IV. Answer **any seven** :

(Weightage 1 each)

12) What are choanocytes ?

13) What is a gemmule ?

14) What is radial symmetry ?

15) Comment on the morphology of *limulus*.

P.T.O.



- 16) What is pedicellaria ?
- 17) Describe filariasis.
- 18) What is a parapodium ?
- 19) Mention two features to identify hymenopterans.
- 20) Comment on the morphology of *Noctiluca*.
- 21) What is a polyp ?

(7×1=7)

V. Answer the following :

(Weightage 1 each)

- 22) a) Name an organism which produce anti-coagulant in their body.
- b) Name a bivalve mollusc.
- c) Name a crustacean.
- d) Excretory organ of annelids.

23) Match the following :

- | | |
|----------------|-----------|
| a) Cuttle fish | Arenicola |
| b) Devil fish | Hydrozoa |
| c) Obelia | Sepia |
| d) Tube worm | King crab |
| | Octopus |

(2×1=2)

(4×2=8)

(Weightage 1 each)