



M 9830

Reg. No. :

Name :

V Semester B.Sc. Degree (CCSS – Reg./Supple./Improv.)
Examination, November 2015
CORE COURSE IN ZOOLOGY
5B05ZLG : Diversity of Life – I

Time : 3 Hours

Max. Weightage : 25

I. Answer any **one**. (Weightage 4)

- 1) Describe the life cycle and pathogenicity of *Trypanosoma*.
- 2) Classify briefly phylum nematoda with examples. (1×4=4)

II. Answer **any one**. (Weightage 4)

- 3) Explain the phylogeny of phylum onychophora.
- 4) Describe briefly the appendages of *Penaeus*. Illustrate it with suitable diagrams. (1×4=4)

III. Answer **any four**. (Weightage 2 each)

- 5) Comment on the life cycle of obelia.
- 6) Explain the life history of prawn.
- 7) Describe briefly the class cestoda.
- 8) Write down the pathogenic effect and parasitic adaptations of ascaris.
- 9) Comment on the larval forms of echinodermata.
- 10) Explain briefly the salient features of scaphopoda and gastropoda.
- 11) What are polychaetes ? (4×2=8)

IV. Answer **any seven**. (Weightage 1 each)

- 12) What is binomial nomenclature ?
- 13) What is venous flower basket ?

P.T.O.



- 14) Comment on sun animalcule.
- 15) What is planula larva ?
- 16) What is wuchereriosis ?
- 17) Write short note on trochophore larvae.
- 18) Comment on sacculina.
- 19) What is medusa ?
- 20) Write down the characteristics of Echinus.
- 21) What are sea-mouses ?

(7×1=7)

V. Answer the following. Weightage **1 each**.

- 22) a) Mandible is a _____ appendage.
- b) Which organism is commonly called portugese man of war.
- c) Name the larvae of echinus.
- d) Nereis is commonly called _____.

23) Match the following.

A	B
a) Shipworm	Peripatus
b) Antedon	Aurelia
c) Scyphozoan	Teredo
d) Velvet worms	Sea lily
	Obelia

(2×1=2)