



M 7169

Reg. No. :

Name :

V Semester B.Sc. Degree (CCSS – Reg./Supple./Imp.)
Examination, November 2014
CORE COURSE IN ZOOLOGY
5B05 ZLG : Diversity of Life – I

Time : 3 Hours

Max. Weightage : 25

I. Answer any one (Weight 4) :

1) Describe the life cycle and mode of infection of *Entamoeba histolytica*.
Mention the pathogenicity.

2) Write an essay on pearl culture. **(1×4=4)**

II. Answer any one (Weight 4) :

3) Explain the water vascular system of star fish. Illustrate your answer with suitable sketches.

4) Write a short note on major classes of annelids with example. **(1×4=4)**

III. Answer any four (weight 2 each) :

5) Comment on the affinities of phylum onychophora with arthropoda.

6) Describe the different larval stages of *Penaeus*.

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

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

9) What is Bee wax ? Write down the uses of bee wax.

10) Give an account on canal system in sponges.

11) Describe the morphology of obelia. **(4×2=8)**

P.T.O.



IV. Answer any seven (weight 1 each) :

- 12) What is ICZN ?
- 13) What is euplectella ?
- 14) Describe briefly the cephalic appendages of Penaeus.
- 15) What is root headed barnacle ?
- 16) Describe the morphology of Noctiluca.
- 17) What is ascariasis ?
- 18) What is parapodium ?
- 19) What is hirudin ?
- 20) Write down the characteristics of limulus.
- 21) What are tubicolous worms ?

(7×1=7)

V. Answer the following (weight 1 each) :

- 22) a) Name a dinoflagellate.
- b) Name an organism with radial symmetrical body.
- c) Name a crustacean.
- d) Larvae of mollusk.

23) Match the following :

- | | |
|--------------|---------------|
| a) Lungworm | Aphrodite |
| b) Limulus | Taenia solium |
| c) Tapeworm | Arenicola |
| d) Sea-mouse | King crab |

Sacculina

(2×1=2)