



13DD 44 – I (13)

B.Sc. I Semester Degree Examination, Nov./Dec. 2013

ZOOLOGY

Paper – 1.1 : Biology of Non-Chordata

Time : 3 Hours

Max Marks : 80

- Instructions :** 1) Answer should be **specific** to the questions.
2) **Draw** neat labelled diagram **wherever** necessary.

I. Answer **any ten** of the following : (2×10=20)

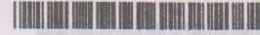
- 1) Metamerism
- 2) Genetic diversity
- 3) Contractile vacuole
- 4) Cnidocytes
- 5) Hexacanth larva
- 6) Pseudocoelom
- 7) Setae
- 8) Tracheal respiration
- 9) Peripatus
- 10) Crystalline style
- 11) Pedal ganglea
- 12) Tube feet.

II. Answer **any four** of the following : (5×4=20)

- 13) Write a note on Fringing Reefs.
- 14) Explain in brief about Binomial nomenclature.
- 15) What are distinctive features of phylum Platyhelminthes ?
- 16) What are parasitic adaptations of Guinea worm and Hook worm ?
- 17) What are ecological adaptations of polychaets ?
- 18) What are differences between class crustacea and class Insecta of phylum Arthropoda ?

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III. Answer **any four** of the following :

(10x4=40)

- 19) Describe life cycle of plasmodium vivax in mosquito.
- 20) Describe general characters of phylum porifera and classify with suitable examples.
- 21) Describe the reproductive system of Pheretima postuma.
- 22) Describe the digestive system of prawn.
- 23) Describe the general characters of phylum. Mollusca and classify with suitable examples.
- 24) Describe the life cycle of star fish.