



12DD 44 – I (13)

**B.Sc. I Semester Degree Examination, November/December 2012**  
**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 a **neat** labelled diagram **wherever** necessary.

I. Answer **any ten** of the following :

(2×10=20)

- 1) Taxonomy
- 2) Host
- 3) Medusae
- 4) Pinacoderm cells
- 5) Spicules
- 6) Flame cells
- 7) Polychaetae
- 8) Mantle
- 9) Encystation
- 10) Pedicellaria
- 11) Binary fission
- 12) Holophytic.

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

(5×4=20)

- 13) Classify the phylum Coelenterata with examples
- 14) Parasitic adaptation of *Tenaculum*
- 15) Cephalic appendages of prawn
- 16) Describe the morphology of unio
- 17) Sycon type of canal system
- 18) Types of coral reefs.

P.T.O.

12DD 44 – I (13)



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

**(10×4)**

- 19) Describe the structure life cycle of entamoeba histolytica.
- 20) Describe the digestive system of unio.
- 21) Describe general character and classification up to the classes with suitable examples of the phylum platy helmenthes.
- 22) Describe the life cycle of star fish.
- 23) Describe the digestive system earth worm.
- 24) Describe general characters and classification up to the clas with suitable examples of the phylum Arthropoda.

\_\_\_\_\_

(5×4=20)

P.T.O.