

B.Sc. DEGREE EXAMINATION NOVEMBER 2012
BRANCH V.A. PLANT BIOLOGY & PLANT BIOTECHNOLOGY
FIRST SEMESTER

COURSE : ALLIED CORE
PAPER : GENERAL ZOOLOGY-I
TIME : 3 HOURS

MAX. MARKS: 100

SECTION – A

ANSWER ALL QUESTIONS

(10X3=30)

1. **FILL IN THE BLANKS**

- Paramecium is commonly called as _____.
- Ascaris lumbricoides* lives in the _____ of man.
- There are _____ pairs of appendages in prawns.
- _____ are the organs of locomotion in star fish.
- The arrangement of feathers on the body of birds is called _____.
- The upper lip of rabbit is divided due to the protrusion of the _____.

2. Name the larval forms of the following

- Ascaris lumbricoides*
- Penaeus indicus*
- Asterias

3. Write a short note on the vermiform appendix.

4. State the functions of the following

- Trichocysts
- Thelycum
- Syrinx

5. Write a short note on Metamerism.

6. State any three differences between a Rabbit and a Hare.

7. **Match the following**

- | | |
|----------------------|------------|
| a) Radial symmetry | Plasmodium |
| b) Farmer's Friend | Heart |
| c) Sexual Dimorphism | Birds |
| d) Oviparity | Round worm |
| e) Mitral valve | Earth worm |
| f) Endoparasites | Starfish |

8. State any three functions of the feathers of birds.

9. Explain the characteristic features of Prochordates.

10. Describe locomotion in *Paramecium caudatum*.

SECTION – B

ANSWER ANY FIVE QUESTIONS
(Draw diagrams wherever necessary)

(5X6=30)

11. Enumerate on the types of feathers in Pigeon.
12. Describe the dentition in rabbit.
13. Give a short account on the Water Vascular System in Asterias. State its functions.
14. Describe the external morphology of *Ascaris lumbricoides* and add a note on its sexual dimorphism.
15. Describe the Excretory system of earth worms.
16. State the characteristic features of different classes of Phylum Chordata.
17. Describe the larval forms of *Panaeus*.

SECTION – C

ANSWER ANY TWO QUESTIONS
(Draw diagrams wherever necessary)

(2X20=40)

18. Write a detailed account on the appendages of prawns.
19. Give an account of the process of conjugation in *Paramecium caudatum* and add a note on its significance.
20. Describe the Excretory and Reproductive system in rabbits.
21. Explain the flight adaptations in birds.
