

B.Sc. DEGREE EXAMINATION NOVEMBER 2013
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)

- Write the zoological name of following animals.
 - Slipper animalcule
 - Prawn
 - Rabbit
- Associate the following with the respective animals.
 - Clitellum
 - Madreporite
 - Quill feathers
- What is coprophagy?
- Associate the following larvae with their respective adults.
 - Rhabditiform larvae
 - Nauplius larva
 - Bipinnaria larva
- What are rectrices?
- What is petasma?
- FILL IN THE BLANKS**
 - The mode of nutrition in paramecium is _____
 - In earthworms the last anal segment is called _____
 - The blood of prawn is _____ in colour
 - In starfish excretion is facilitated through _____
 - In urochordates the notochord is present only in the _____
 - Vibrissae are found in _____
- MATCH THE FOLLOWING**
 - Azygous vein
 - Resonator
 - Stone canal
 - Carapace
 - Typhosole
 - Trichocyst
 - Cephalothorax
 - Earthworm
 - Columbia livia*
 - Rabbit
 - Paramecium*
 - Asterias*
- Relate the following structure with their respective functions
 - Green gland
 - Polian vesicle
 - Penial setae
- Define Metamerism.

SECTION – B

ANSWER ANY FIVE QUESTIONS
(Draw diagrams wherever necessary)

(5X6=30)

11. Write short notes on dentition in rabbit.
12. Discuss the life cycle of *Ascaris lumbricoides*.
13. Describe the nervous system of *Penaeus*.
14. Describe the structure of bipinnaria larva and comment on its significance.
15. Outline the classification of Animal Kingdom.
16. Describe the respiratory system in *Columbia livia*.
17. Describe the nephridia of earthworm.

SECTION – C

ANSWER ANY TWO QUESTIONS
(Draw diagrams wherever necessary)

(2X20=40)

18. Write a detail account on the process of conjugation in *Paramecium* and add a note on its significance
19. Give an account on the appendages of Prawn.
20. Write an essay on flight adaptation in Pigeon
21. Describe the water vascular system in starfish.
