

B.Sc. DEGREE EXAMINATION NOVEMBER 2017
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. Name the three grades under Division Bilateria in the classification of the animal kingdom.
2. Differentiate between Drone & Worker bee.
3. Define the following: a. Notochord b. Trophallaxis.
4. What is Water Vascular System?
5. Differentiate between Anadromous & Catadromous migration with an example.
6. Name two types of Flight feathers. Where are they located?
7. Match the following:

a. Coelenterata	Madreporite
b. Annelida	Fang
c. Reptilia	Nemaocyst
	Nephridia
8. Write the Dental Formula of Rabbit. Define Diastema.
9. List any three characteristic features of Class Amphibia.
10. Give an example each for Molluscs used as food, as ornament & in worship.

SECTION – B

ANSWER ANY FIVE QUESTIONS

(Draw diagrams wherever necessary)

(5X6=30)

11. Enumerate the adaptations of mammals to aquatic life with suitable examples.
12. Explain the life cycle of *Ascaris lumbricoides*.
13. Draw a neat labeled diagram and explain structure of *Paramecium*.
14. Draw and describe Cephalic appendages in *Penaeus*.
15. Enumerate the characteristic features of fishes.
16. What is the need for Turtle Conservation? Explain the role played by NGOs in conserving them.
17. With neat labeled diagrams, explain the types of coral reefs.

SECTION – C

ANSWER ANY TWO QUESTIONS

(Draw diagrams wherever necessary)

(2X20=40)

18. Elaborate on the Flight adaptations in Birds.
19. Describe the structure and functions of a. brain of rabbit b. male reproductive system
20. Describe Parental Care in Fishes with suitable examples.
21. Detail on the different types of vermicomposting and add a note on the advantages.
