

Roll No. _____

2

SIS 064 B-2K13

B.Sc. Ist Semester Degree Examination

Zoology

(Biology of Non-Chordata)

Paper - Z.1

Time : 3 Hours

Maximum Marks : 80

Instructions to candidates:

1. Answer *all* the questions.
2. Draw diagram wherever necessary.

I. Answer the following in one word or one sentence each.

(15×1=15)

- 1) Cilia
- 2) Sedentary
- 3) Monocious
- 4) Flame cells
- 5) Polyp
- 6) Holozoic Nutrition
- 7) Carnivores
- 8) Nocturnal
- 9) Bilateral symmetry
- 10) Species diversity
- 11) Osculum

12) Nomenclature

13) Regeneration

14) Statocyst

15) Cephalothorax.

II. Answer any five of the following:

(5×5=25)

16) Bipinnaria Larva.

17) Genetic diversity.

18) Ecological Adaptations of polychaeta.

19) Importance of sericulture.

20) Vermiculture.

21) Modern concept of Animal classification.

22) Economic importance of Molluscs.

III. Answer any four of the following:

(4×10=40)

23) Explain the life History of plasmodium vivax.

24) Write the general characters and classification of phylum porifera.

25) Key characters of Nematoda.

26) Describe the structure and life History of obelia.

27) Explain Arthropod pests and their management.

28) Explain the morphology and life cycle of Taenia solium.