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Reg. No. | | | | | | | | |

I Semester B.Sc. Degree Examination, August - 2021

ZOOLOGY

Non -Chor Data - I

(CBCS Scheme : 2018 - 19 and Onwards Freshers and Repeaters)

Paper : I

Time : 3 Hours **Maximum Marks : 70**

Instructions to Candidates :

1) Draw neat labelled diagrams wherever necessary.
2) Answer should be completely in English.

PART - A

I. Answer the following in **one** word or **one** sentence each. **(10×1=10)**

1) Name the phylum which exhibits cellular grade of body organization.
2) Define metamerism.
3) Give an example for saprozoic nutrition.
4) What is the internal bud of sponges called?
5) Mention any one function of nematocysts.
6) In which phylum ladder type of nervous system present.
7) Where do you find typhlosole?
8) Give an example for ectoparasite.
9) Name the vector of Leishmania donovani.
10) Mention the anti - coagulant secreted by leech.

PART - B

II. Answer any **Five** of the following. **(5×3=15)**

11) What is symmetry? Mention any two types.
12) Define
    i) acoelom ii) pseudocoelom iii) eucoelom.
13) Sketch and label the externals of Sycon.
14) Distinguish between polyp and medusa.
15) Assign the following to their resplective class:
    i) Hirudinaria ii) Pheretima iii) Nereis.
16) Mention any three important stages in the life cycle of Entamoeba.
17) Give the preventive measures of Taenia solium.

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PART - C

III. Answer any **Five** of the following. **(5×5=25)**

18) Differentiate between diploblastic and triploblastic condition with an example each.

19) Write notes on:

a) Significance of conjugation.

b) Pharyngeal nephridia.

20) Name any five types of mesenchymal cells of Sycon. Mention one function each.

21) Draw a neat labelled diagram of the aboral view of Aurelia.

22) Explain the externals of Planaria.

23) List any five interesting features of Phylum nematoda.

24) Give an account of vermicomposting.

PART - D

IV. Answer any **Two** of the following. **(2×10=20)**

25) Enumerate the general characters of Phylum protozoa. Classify the phylum up to classes with a suitable example.

26) Explain:

a) Syconoid canal system.

b) Polymorphism in Halistemma.

27) With a neat labelled diagram describe the digestive system of Pheretima.

28) Explain the life cycle of Wuchereria bancrofti.