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**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 respective 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.
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