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**Avinashilingam Institute for Home Science and Higher Education for Women,  
(Deemed to be University) Coimbatore – 641 013  
Bachelor's Degree Examinations – November 2018**

**Semester I**

**Class: I UG  
Major: Zoology**

**Time: 3 hrs  
Marks: 100**

**18BZOCO1 – INVERTEBRATA I**

**Part – A**

**10x1=10**

**Choose the correct answer**

1. The binomial nomenclature was proposed by
  - a. Stephen
  - b. Linnaeus
  - c. Landsteiner
  - d. Watson
2. Paramecium reproduces asexually by
  - a. binary fission
  - b. conjugation
  - c. autogamy
  - d. cytogamy
3. Lecucosolenia is a
  - a. sycon sponge
  - b. leucon sponge
  - c. asconoid sponge
  - d. rhagon sponge
4. Spicules are produced from
  - a. choanoderm
  - b. scleroblasts
  - c. ectoderm
  - d. porocytes
5. Obelia comes under the order
  - a. hydroidea
  - b. milleporina
  - c. trachylina
  - d. corontae
6. Number of statocysts present in obelia medusa
  - a. 2
  - b. 4
  - c. 6
  - d. 8
7. Secondary host of liver fluke
  - a. sheep
  - b. snail
  - c. man
  - d. goat
8. Which one of the following system has flame cells?
  - a. digestive
  - b. reproductive
  - c. excretory
  - d. respiratory
9. Filarial worm causes the diseases
  - a. elephantiasis
  - b. sleeping sickness
  - c. hepatitis
  - d. appendicitis
10. Ancylostoma is commonly known as
  - a. Guinea worm
  - b. Filarial Worm
  - c. Hook worm
  - d. Pin worm

**Part B**

**5 X 6=30**

**Answer the following**

**Answer should not exceed 400 words or two pages**

11. a. Explain the structure of paramecium.  
(OR)
- 11.b. Describe nutrition and feeding mechanism in paramecium.
- 12.a. List out the general characters of phylum Porifera.  
(OR)
- 12.b. Discuss the economic importance of sponges.
- 13.a. Describe the structure of obelia medusa.  
(OR)
- 13.b. Discuss the importance of nematoblast.
- 14.a. Summarize the general characters of platyhelminth parasites.  
(OR)
- 14.b. Explain the salient feature of miracidium larva.
- 15.a. Differentiate male and female reproductive system of ascaris.  
(OR)
- 15.b. Write any two diseases which is caused by nematode parasite.

**Part C**

**5 x 12=60**

**Answer the following**

**Answer should not exceed 800 words or four pages**

- 16.a. Elucidate the conjugation process in paramecium.  
(OR)
- 16.b. List out the protozoan parasites, and their mode of transmission.
- 17.a. Explain the structure of Leucosolenia.  
(OR)
- 17.b. Demonstrate the canal system in sponges.
- 18.a. Discuss the life history of obelia.  
(OR)
- 18.b. Relate the types and significance of coral reefs.
- 19.a. Explain the male and female reproductive system of liver fluke.  
(OR)
- 19.b. Demonstrate the life history of *Fasciola hepatica*.
- 20.a. Enumerate the life cycle of ascaris.  
(OR)
- 20.b. Give the different parasitic adaptations of helminth parasites.

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