

**Avinashilingam Institute for Home Science and Higher Education for Women  
Coimbatore-641 043**

**Bachelor's Degree Examination –November 2017**

**I Semester**

**Class : I UG  
Major: Zoology**

**Time: 3 hours  
Max. Marks: 100**

**15BZOC01 Invertebrata – I**

**Part - A**

**Choose the correct answer**

**(10x1=10)**

1. Tricocyst is present in the body of  
(a) Amoeba                      (b) Paramecium                      (c) Plasmodium                      (d) Euglena
2. Plasmodium belongs to the class  
(a) ciliophora                      (b) rhizophoda                      (c) mastigophora                      (d) sporozoa
3. The type of canal system present in Leucosolenia  
(a) Ascon                      (b) Rhagon                      (c) Sycon                      (d) Leucon
4. Spicules are formed from \_\_\_\_\_ type of cell.  
(a) Scleroblast                      (b) Sollenocyte                      (c) Apocyte                      (d) Procyte
5. Number of tentacles in Hydra is  
(a) 2-4                      (b) 6-10                      (c) 10-40                      (d) 43-50
6. The free swimming larve of obelia is called  
(a) Planula larva                      (b) Parenchymula larva                      (c) Amphiblastula larva                      (d) Hydrula
7. The cause of 'Liver Rat' in sheep  
9a) Dugesia                      (b) Fasciola                      (c) Taenia                      (d) Schistosoma
8. Secondary host of Taenia is  
(a) pig                      (b) man                      (c) snail                      (d) sheep
9. In Ascaris, eggs are fertilized in  
(a) oviduct                      (b) uterus                      (c) vagina                      (d) outside human body
10. Ascaris shows .....  
(a) Sexual dimorphism                      (b) Asexual dimorphoism  
(c) Internal dimorphoism                      (d) External dimorphism

**Part B**

**5X6=30**

**Answer the Following**

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

11. a) Write a short note on the digestion in paramecium.  
(or)  
b) Describe the sexual cycle of malarial parasite.
12. a) Write about the general characters of phylum Porifera.  
(or)  
b) List the economic importance of sponges.
13. a) Illustrate the structure of cnidoblast.  
(or)  
b) Write a short note on corals.
14. a) Explain the external structure of liver fluke.  
(or)  
b) What are flame cells? Explain.
15. a) Explain the digestive system of *Ascaris*.  
(or)  
b) Give an illustrated account of male reproductive organs of *Ascaris*.

**Part C**

**5X12=60**

**Answer the Following**

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

16. a) Give an outline classification of animal kingdom with suitable examples.  
(or)  
b) Give a detailed account on conjugation process in paramecium and discuss its significance.
17. a) What are sponges? Describe the cellular organization of *Leucosolenia*.  
(or)  
b) Give an account of reproduction and development of asconoid sponge.
18. a) Describe the various mode of locomotion in *Hydra*.  
(or)  
b) Explain in detail about the life history of *Obelia*.
19. a) Write an essay on the <sup>Life history</sup> ~~economic importance~~ of *Fasciola hepatica*.  
(or)  
b) Give an account of life cycle of *Taenia solium*.
20. a) Give an illustrated account of the life history of *Ascaris*.  
(or)  
b) List out the ~~economic importance~~ of Ashelminth parasites.  
*Parasitic adaptations.*