

**COVENANT UNIVERSITY  
NIGERIA**

*TUTORIAL KIT  
OMEGA SEMESTER*

**PROGRAMME: MICROBIOLOGY**

**COURSE: MCB 221/BLY225**

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# MCB 221/BLY 225: Introductory Parasitology

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1. What is Parasitology?

Answer: The study of Parasites

Define the following terms

2. Ectoparasites
3. Endoparasites

Answer: They are parasites that live IN the host

4. Infection
5. Infestation

- Answer: Colonisation of the host by parasites that cause disease directly e.g tapeworm infestation

6. An organism that can switch between a parasitic and a free living lifestyle is called a .....

Answer

Facultative Parasite

7. An organism that is completely dependent on the host during a segment or all of its life cycle is known as .....

Answer

Obligatory Parasite

8. A host is defined as .....

Answer: The non-parasitic member in a parasitic association. It harbours the parasite thus, provides itself as the environment of the parasite.

9. List 5 types of hosts that you know

Answer:

Definitive host

Intermediate host

Paratenic (transfer host)

Reservoir hosts.

Accidental hosts

10. Write short notes on the following: i. Hyperparasitism ii. Zoonosis

11. List five protozoan parasites

Answer:

*Giardia lamblia*, *Entamoebahistoltyica*, Plasmodium Species, Trypanosoma Species, Leishmania Species.

12. Classify the parasitic protozoa based on the site of infection  
 13. Define the following: i) Triploblastic animals ii) Onchosphere iii) Opisthaptor

iv) Digenea v) Miracidium

14. b) Distinguish between the following: i) Teaniasaginata and Teaniasolium ii) Splanchnic mesoderm and Somatic mesoderm

15. c) Describe the life cycle of the tapeworm

16. Give the classification of the phylum Platyhelminthes

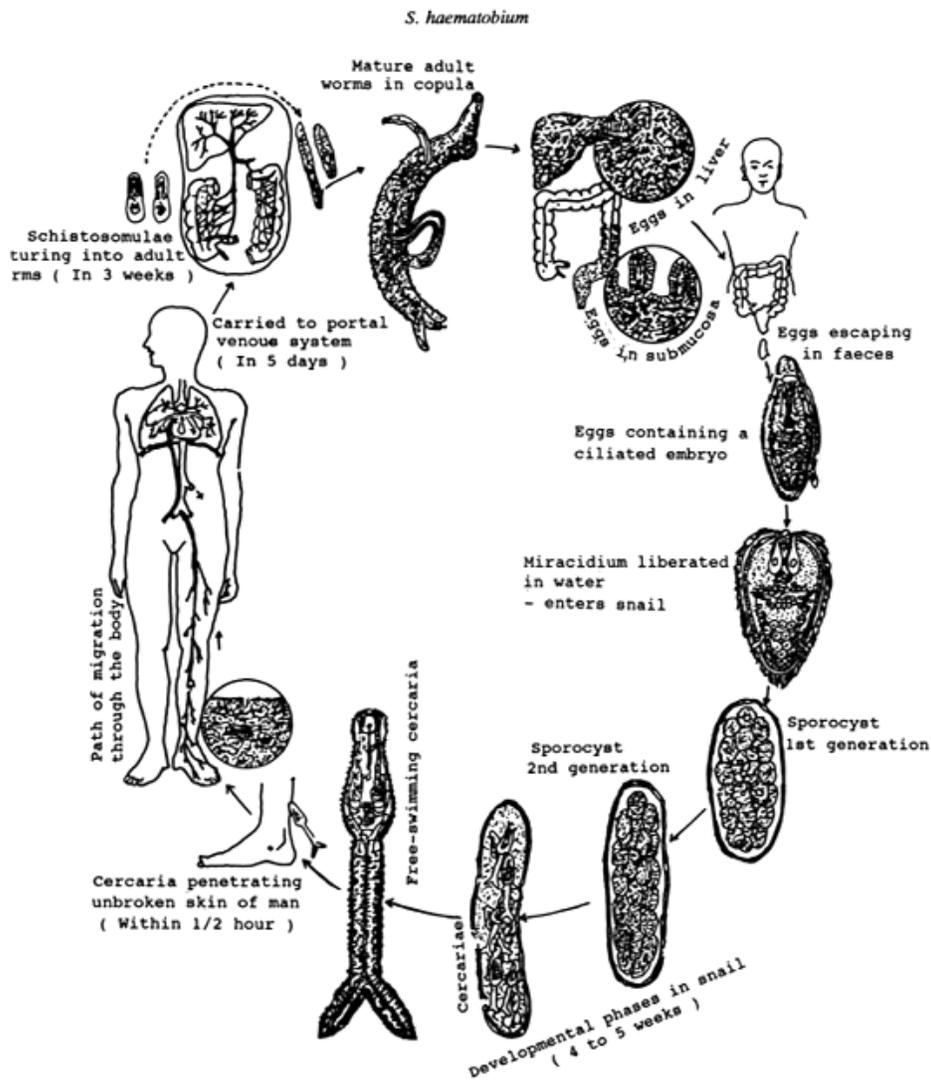
Answer:

**Phylum** Platyhelminthes  
**Class** Cestoidea Taenia (tapeworm)  
**Class** Trematoda Clonorchis (liver fluke)

17. Describe the life cycle of a named trematode

Answer:

*Schistosoma haematobium*



18. Describe Tough conditions in the life cycle of *Fasciolagigantica*
19. Write short notes on the class Digenea
20. List 5 parasitic nematodes. Describe the life cycle of a named nematode.

Answer

- *Wuchereriabancrofti*
- *Brugiamalayi*
- *Loa loa*
- *Onchocerca volvulus*
- *Ascarislumbricoides*

Use annotated diagram to describe the Life cycle of any of the organisms listed above.