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**SUBJECT CODE NO:- 6579**  
**FACULTY OF SCIENCE & TECHNOLOGY**  
**M.Sc. (Sem-I)**  
**Examinations March/April-2022 (To be held in June/July-2022)**  
**Helminthology-I ZOO-105**

[Time: 3:45 Hours]

[Max. Marks:80]

N.B Please check whether you have got the right question paper.

1. The question paper is divided into two parts.
2. Part 'A' is compulsory.
3. Attempt any five questions from Part B.
4. Draw well labeled diagram whenever necessary.

**Part A**

Q.1 Multiple Choice Questions.

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- 1) Class Cestoda divided in to Eucestoda and -----
  - a) Cestoda
  - b) Digenea
  - c) Cotyloda
  - d) Cyclophyllidea
- 2) Cestodes are characterized by the absences of -----
  - a) Reproductive system
  - b) Digestive system
  - c) Excretory system
  - d) Nervous system
- 3) Cyclophyllidean Cestodes are characterized by the absences of -----
  - a) Bothria
  - b) Suckers
  - c) Tentacle
  - d) Hooks
- 4) Neck of the cestode is also known as -----
  - a) Growth zone
  - b) Strobilus
  - c) Hold fast organ
  - d) Proglottid
- 5) The intermediate host in the life cycle of Fasciola hepatica is -----

- a) Snail
  - b) Crustacean
  - c) Dog
  - d) Sheep
- 6) Common name of *Paragonium westermani* is -----
- a) Oriental lung fluke
  - b) Liver fluke
  - c) Intestinal fluke
  - d) None of these
- 7) Fertilization & Egg formation takes places in -----
- a) Ootype
  - b) Ovary
  - c) Uterus
  - d) None of these
- 8) Miracidium is the larval stage in the development of -----
- a) *Taenia Solium*
  - b) *Fasciola hepatica*
  - c) *Ascaris*
  - d) *Echinococcus*
- 9) The intermediate host in the life cycle of *Taenia saginata* is -----
- a) Pig
  - b) Goat
  - c) Dog
  - d) Cattle
- 10) Easy method for diagnosis of *D.latum* is -----.
- a) Biopsy
  - b) Faecal test
  - c) Sputum
  - d) Blood test

## Part B

- Q.2 Give an account on general organization of Helminth parasites. 12
- Q.3 Describe female reproductive system of Cyclophyllidean cestode. 12
- Q.4 Write an essay on different types of Cestode; larvae with suitable example. 12
- Q.5 Describe single intermediate host life cycle pattern in trematodes with suitable examples. 12
- Q.6 Describe life cycle and pathogenicity of *Paragonimus westermani* 12
- Q.7 Give an account of egg shell formation in trematode and discuss chemistry of egg shell formation. 12
- Q.8 Write notes on Any three of the following 12
- a) Morphology of *Polystoma integerrimum*
  - b) Pathogenicity and control of *Taenia saginata*
  - c) Sporocyst and Radia
  - d) Hydatid cyst.