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SUBJECT CODE NO: - FF-6676
FACULTY OF SCIENCE AND TECHNOLOGY
M.Sc. (Sem-I) (Zoology)
Examination January-2023
Elective Papers-I
Helminthology-I ZOO-105

[Time: 3:00 Hours]

[Max. Marks: 80]

Please check whether you have got the right question paper.

N. B

- 1) Draw diagram wherever necessary.
- 2) Part 'A' compulsory having 20 marks.
- 3) Part-B is having seven question attempt any five carry 12 marks each.

PART A

Q1 Attempt the following multiple choice.

20

1. Platyhelminthes are the best described as _____.
 - a) Flatworm, diploblastic, acoelomates
 - b) Flatworm, triploblastic, acoelomates
 - c) Flatworm, triploblastic, coelomates
 - d) Flatworm, triploblastic, pseudo coelomates
2. The intermediate host of Fasciolopsis buski is snail belonging to the genus _____.
 - a) Lymnaea
 - b) Pirenella
 - c) Bulinus
 - d) Segmentina
3. Larval stage of Taenia saginata is called _____.
 - a) cysticercus bovis
 - b) hydatid cyst
 - c) cysticercoid
 - d) cysticercus cellulosae

4. Class Cestoda has the following characters except _____.
- Flatworm
 - Worm are segmented
 - Alimentary canal present
 - Hermaphrodite
5. Which is the smallest tapeworm infecting man?
- Taenia solium*
 - Taenia saginata*
 - Hymenolpis nana*
 - Diphyllobothrium latum*
6. Which of the following intestinal parasite eggs Can also be found in sputum speamen.
- Paragonimus westermani*
 - Fasciola hepatica*
 - Diphyllobothrium latum*
 - Schistosoma mansoni*
7. Drug used for treatment of helminthes _____.
- Praziquantel
 - Aspirine
 - Paracetamole
 - None of above.
8. Monogenetic trematodes having _____
- Two generation
 - Three generation
 - A single generation completing the life cycle
 - None of above

9. Primary host of *Echinococcus granulosus* is _____

- a) Dog
- b) Sheep
- c) Human being
- d) pig.

10. Physiological adaptation in parasitic helminth are _____

- a) Anaerobic respiration
- b) Ecormous fertility
- c) Secretion of anti- Enzyme
- d) All above

PART B

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| Q2 Discuss the Life cycle and pathogenicity of <i>Fasaola hepatica</i> . | 12 |
| Q3 Explain general organization and classification of Cestode. | 12 |
| Q4 Describe with suitable Example the life cycle of single intermediate host in cestode parasite. | 12 |
| Q5 Explain hold fast organs with its adaptation in cestodes. | 12 |
| Q6 Give an account of life cycle of <i>Diphyllobothrium latum</i> . | 12 |
| Q7 Describe the types of larvae in cestodes and their pathogenicity. | 12 |
| Q8 Write short notes on (any two) | 12 |

- a) *Monostome core aria*
- b) *Taenia saginata*
- c) Reproductive system in helminth,