

B.Sc. ZOOLOGY
FIFTH SEMESTER [SPECIAL REPEAT]
PARASITOLOGY
BSZ-504

SET
A

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

(Objective)

Time: 30 mins.

Marks: 20

Choose the correct answer from the following:

1 × 20 = 20

- Juxtannuclear kinetoplast is found in:
a. Amastigote
b. Promastigote
c. Epimastigote
d. Trypomastigote
- The longest undulating membrane is found:
a. Amastigote
b. Promastigote
c. Epimastigote
d. Trypomastigote
- Excystation of *G. lamblia* occurs in:
a. Stomach and duodenum
b. Stomach and intestine
c. Lungs
d. Liver and intestine
- What is present on the surface of Giardia to bind to the receptors on enterocytes?
a. Pectins
b. Lectins
c. Secretin
d. Troponin
- Trophozoites of Entamoeba are actively motile with the help of a:
a. Cilia
b. Flagella
c. Pseudopodia
d. None of the above
- The trypanosome was first discovered in the year:
a. 1901
b. 1911
c. 1902
d. 1922
- The parasites that enter the external openings of the body of the host are called:
a. Facultative parasites
b. Obligate parasites
c. Endo parasites
d. Meso parasites
- Hookworms are an example of:
a. Exoparasites
b. Obligate parasites
c. Endo parasites
d. Meso parasites
- The trophozoite of Giardia measures _____ in length.
a. 9-21 μm
b. 15-30 μm
c. 30-42 μm
d. 42-60 μm
- Which of the following was a zoonosis but now is a human only disease?
a. Ebola
b. Salmonellosis
c. HIV
d. None of the above

11. Syncytial epidermis is the characteristic feature of which of the following organism?
 - a. *Ascaris*
 - b. *Taenia*
 - c. *Hydra*
 - d. *Pheretima*
12. Which of the following helminth enters the body of a man through the skin of his feet if he walks barefoot in the contaminated soil?
 - a. *Ascaris*
 - b. *Ancylostoma*
 - c. *Schistosoma*
 - d. *Wuchereria*
13. How is tapeworm attached to the intestinal wall of humans?
 - a. Hooks and suckers
 - b. Rostellum only
 - c. Hooks only
 - d. Suckers only
14. Which of the following diseases are caused by *Taenia solium*?
 - a. Only Taeniasis
 - b. Only Cysticercosis
 - c. Taeniasis and Cysticercosis
 - d. None of the above
15. How many proglottids are present in *Taenia solium*?
 - a. 100-500
 - b. 500-1000
 - c. 1000-2000
 - d. 2000-5000
16. The stage of life history of the liver fluke when it infects the primary host is:
 - a. Redia
 - b. Cercaria
 - c. Sporocyst
 - d. Cysticercus
17. The term "monogenetic" is used to _____ and specifically refers to _____.
 - a. Describe how parasites reproduce/ the presence of both types of sex organs in the same individual
 - b. Designate an Order of flukes/ the presence of both types of sex organs in the same individual
 - c. Describe how parasites reproduce/ flukes with separate sexes (schistosomes)
 - d. Describe how parasites reproduce/ flukes that only reproduce sexually
18. How is *Ancylostoma duodenale* transmitted?
 - a. Through contaminated food and water
 - b. Through sexual contact
 - c. Through respiratory droplets
 - d. Through mosquito bites
19. In *Ascaris*, the period of incubation outside the human body is _____.
 - a. More than 30 days
 - b. 15-30 days
 - c. 8-14 days
 - d. 4-8 days
20. *Wuchereria bancrofti* is transmitted by:
 - a. Tse-Tse fly
 - b. Sand fly
 - c. Anopheles
 - d. Culex

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(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Explain the detailed Life cycle of *Fasciola hepatica* with diagrams. 10
2. Write down the detailed life cycle of *Entamoeba histolytica* with necessary diagrams. 10
3. Write down the detailed life cycle of *Trypanosoma gambiense* with necessary diagrams. 10
4. Write down the general characters of Hemoflagellates with the different morphological classes. 5+5=10
5. Write the General Characteristics and Classification of Helminths. 5+5=10
6. Describe the morphology & pathogenesis of *Taenia solium*. Provide necessary diagrams. 10
7. Elaborate the morphology and life cycle of *Wuchereria bancrofti*. 10
8. Describe the morphology of *Trypanosoma gambiense* with necessary diagrams. 10

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