

B.Sc. ZOOLOGY
FIFTH SEMESTER (SPECIAL REPEAT)
PARASITOLOGY
BSZ-504
[USE OMR SHEET FOR OBJECTIVE PART]

2023/08

**SET
A**

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

Choose the correct answer from the following:

1 × 20 = 20

- Nematodes means:
 - Pointed ends
 - Pointed bodies
 - Pointed cells
 - Pointed heads
- Hook worm infections are usually acquired through:
 - Bile of the adult
 - Ingestion of contaminated food
 - Contact of skin with infected soil
 - None of the above
- Ascaris lumbricoides* infection are more likely occur in:
 - Tropical climate
 - Pork eating country
 - Developing country
 - Western country
- The phenomenon by which male and female sexes could be differentiated is called:
 - Variation
 - Polymorphism
 - Sexual dimorphism
 - None of the above
- A microfilaria with a loose sheath, nuclei to its tail tip is:
 - W.bancrofti*
 - A.duodenale*
 - O.volvulus*
 - A.lumbricoides*
- The following organism is nocturnal in periodicity:
 - A.duodenale*
 - A.lumbricoides*
 - W.bancrofti*
 - Both a and b
- Nematodes lacks respiratory system and:
 - Digestive system
 - Circulatory system
 - Nervous system
 - Excretory system
- The infective form of *Ascaris* is:
 - Embryonated egg
 - Fourth juvenile
 - Second juvenile
 - Adult
- Cysticercosis is caused by:
 - A.lumbricoides*
 - T.solium*
 - W.bancrofti*
 - None of the above
- Chitinous hooks are present in the anterior part of:
 - A.lumbricoides*
 - T.solium*
 - A.duodenale*
 - F.hepatica*

11. Organism which may either live as parasitic form or as free living form called:
 - a. Facultative parasite
 - b. Aberrant parasite
 - c. Accidental parasite
 - d. Obligate parasite
12. A host in which larval stages of the parasite remains viable without further development is referred as:
 - a. Definitive host
 - b. Paratenic host
 - c. Intermediate host
 - d. Reservoir host
13. Hypnozoites found in:
 - a. *P. vivex* and *P. malariae*
 - b. *P. malariae* and *P. falciparum*
 - c. *P. vivex* and *P. ovale*
 - d. *P. vivex* and *P. falciparum*
14. The sandfly regurgitates the..... form in the wound caused by its proboscis into the human body.
 - a. Amastigote
 - b. Epimastigote
 - c. Trypomastigote
 - d. Promastigote
15. In lieshmania, amastigote forms of the parasite as seen in smears from patients are called:
 - a. LD Body
 - b. PKDL
 - c. Lieshmanian Body
 - d. None of these
16. Plasmodium belongs to the Phylum:
 - a. Sarcodina
 - b. Apicomplexa
 - c. Mastigophra
 - d. Protozoa
17. Mature cyst of *Entamoeba histolytica* is with:
 - a. Two Nucleus
 - b. Three Nucleus
 - c. Four Nucleus
 - d. None of the above
18. Lumen-dwelling flagellates of *Giardia* found in:
 - a. Blood
 - b. Tissue
 - c. Liver
 - d. Alimentary tract
19. In the erythrocyte, merozoites loses its internal organ, become round, form a vacuole in the centre or ring forms, pushed the nucleus to the one pole. These parasites are called:
 - a. Young Trophozoite
 - b. Late Trophozoite
 - c. Young Merozoite
 - d. Late Merozoite
20. The mature gametocytes are crescent in shape in:
 - a. *P. vivex*
 - b. *P. falciparum*
 - c. *P. ovale*
 - d. *P. malarac*

(Descriptive)

Time : 2 hr. 30 mins.

Marks : 50

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

- | | |
|---|----------|
| 1. Explain the morphology of <i>A.lumbricoides</i> and its life cycle. | 3+7=10 |
| 2. Describe the life cycle of <i>L. donovani</i> with suitable diagram. | 10 |
| 3. Describe the Exo-erythrocytic and Erythrocytic stages of plasmodium. | 5+5=10 |
| 4. Short Notes:
a) Classification of Protozoa
b) Different forms of Hemoflagellates | 5+5=10 |
| 5. Describe the different morphological forms and life cycle of <i>G. lamblia</i> with suitable diagram. | 5+5=10 |
| 6. What are helminths? Write the general characters and classification of helminthes. | 1+4+5=10 |
| 7. Describe the life cycle of <i>W.bancrofti</i> and its pathogenicity. | 7+3=10 |
| 8. Write the general characteristics of Cestodes. Explain briefly the morphological feature of <i>T.solium</i> and its pathogenicity. | 3+3+4=10 |

== *** ==