

**BACHELOR OF MEDICAL LABORATORY
TECHNOLOGY
FIFTH SEMESTER
MICROBIOLOGY V
BMLT – 504 [SPECIAL REPEAT]
[USE OMR SHEET FOR OBJECTIVE PART]**

Duration: 3 hrs.

Full Marks: 70

(Objective)

Time: 30 min.

Marks: 20

Choose the correct answer from the following:

1×20=20

1. VDRL is the example of
 - a. Agglutination
 - b. Precipitation
 - c. Flocculation
 - d. Both b and c
2. Which form of malarial parasite is infective to mosquito?
 - a. Ring form
 - b. Sporozoite
 - c. Gametocyte
 - d. Merozoite
3. Disadvantage of thin smear is
 - a. Parasite may escape during low count in blood
 - b. Its distorted the morphology of parasite
 - c. Dehaemoglobinization is need
 - d. Both a & c
4. Parasitism means
 - a. Host parasite depend on each other
 - b. Only Parasite deriving benefit from host without harming it
 - c. Both host and parasite get benefited
 - d. The parasite derives benefit and host suffer
5. Encystation means
 - a. Formation of Cyst to Trophozoite
 - b. Formation of Trophozoite to cyst
 - c. It is infection stage of parasite
 - d. None of the above
6. Infective stage of Entamoeba histolytica
 - a. Uni-nucleated cyst
 - b. Quadri-nucleated cyst
 - c. Bin-nucleated cyst
 - d. Trophozoite
7. Ectoparasite means
 - a. A parasite which lives external surface of host
 - b. A parasite which lives internal surface of host
 - c. Organism which cannot exist without host
 - d. None of the above
8. External amoebiasis occurs in
 - a. Liver
 - b. Lung
 - c. Brain
 - d. All of the above

9. How many flagella are there in trophozoite of *Giardia lamblia*
 - a. One pair
 - b. Two pair
 - c. Three pair
 - d. Four pair
10. In malaria pre-erythrocytic schizogony occurs in
 - a. Blood
 - b. Liver
 - c. Kidney
 - d. None of the above
11. Which of the following is the largest protozoa
 - a. *Balantidium coli*
 - b. *Giardia lamblia*
 - c. *L. donovani*
 - d. *Entamoeba histolytica*
12. *T. vaginalis* in woman may produce
 - a. Asymptomatic
 - b. White discharge
 - c. Yellow discharge
 - d. All of the above
13. Production of colour shows negative result in
 - a. Indirect ELISA
 - b. Competitive ELISA
 - c. Sandwich ELISA
 - d. Direct ELISA
14. Consumption of uncooked pork is likely to cause which of the following infection/disease
 - a. *Taenia saginata*
 - b. *Taenia solium*
 - c. Hydatid cyst
 - d. *Trichuris trichiura*
15. Which of the following is not a neuroparasite?
 - a. *Taenia solium*
 - b. *Acanthamoeba*
 - c. *Naegleria*
 - d. *Trichinella spiralis*
16. The larval form of taenia is referred to as
 - a. Cysticercus
 - b. Cysticercoid
 - c. Echinococcus
 - d. Coneris
17. Katayama fever is caused by
 - a. *F. hepatica*
 - b. *Cl. sinensis*
 - c. *S. hematobium*
 - d. *S. japonicum*
18. Carcinoma of urinary bladder is associated with which of the parasites
 - a. *S. japonicum*
 - b. *S. hematobium*
 - c. *S. mansoni*
 - d. *S. intercalatum*
19. Mosquito acts as vector for transmission of all the parasitic infections except
 - a. Malaria
 - b. Bancroftian filariasis
 - c. Malayan filariasis
 - d. Leishmaniasis
20. House fly acts as mechanical vector for transmission of all the following except
 - a. Amoebiasis
 - b. Typhoid
 - c. Malaria
 - d. Cholera

(Descriptive)

Time : 2 hrs. 30 min.

Marks : 50

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

1. Explain briefly about competitive and sandwich ELISA along with diagram 10
2. Write morphology, pathogenesis, lifecycle and prophylaxis of Entamoeba histolytica. 10
3. Write morphology, pathogenesis, lifecycle and prophylaxis of P vivex. 10
4. a. Define precipitation and agglutination reaction along with example. 4+6=10
b. Write short notes on indirect IFT.
5. a. Write note on pathogenesis of parasitic infection 6+4=10
b. Classify the Parasite
6. a. Jot down the general characteristics of Platyhelminth. 4+6=10
b. Explain the life cycle of Taenia solium with diagram
7. a. Describe the morphology and life cycle of Schistosoma haematobium with diagram. 6+4=10
b. Name four medically important genus of mosquitos and mentioned the diseases they involved.
8. a. Write the morphology and lifecycle of Giardia lamblia. 6+4=10
b. Write the preparation of thick and thin smear.

= = *** = =