

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

M.Sc. (Medical Microbiology) (Sem.-2)

PARASITOLOGY

Subject Code : MMB-205-21

M.Code : 92128

Date of Examination : 21-12-22

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains EIGHT questions carrying FIVE marks each and students have to attempt any SIX questions.**
3. **SECTION-C will comprise of two compulsory questions with internal choice in both these questions. Each question carries TEN marks.**

SECTION-A

1. Answer the following :

- a. Enlist the various routes of infection.
- b. How will you distinguish between cestodes and trematodes?
- c. What are the key characteristics of zoonoses?
- d. Give the pathogenesis of *Entamoeba histolytica*.
- e. What are nematodes? Why are they called so?
- f. Give the lab diagnostic tests for confirmation of *Echinococcus granulosus*.
- g. What is the lifecycle of *Leishmania donovani*?
- h. Comment on host-parasite relationship in detail.
- i. What is the reason behind assessing parasites in stool?
- j. Give the morphological characterization of *Paragonimus westermani*.

SECTION-B

2. Explain the effect of parasites on various tissues and organs by citing appropriate examples.
3. Give the pathogenic difference between *Brugia malayi* and *Strongyloides stercoralis*.
4. What are the laboratory diagnostic measures for identifying *Fasciola hepatica*?
5. Explain the morphology of *Trichomonas vaginalis*.
6. What are the effects of the *Hymenolepis nana* parasite on the human body?
7. Define parasites. Explain the various types of pathogenic parasites with examples.
8. What will be the host's response towards the pathogenic parasites?
9. Enlist the pathogenesis and laboratory diagnosis of *Plasmodium vivax*.

SECTION-C

10. Describe in detail the morphological characterization and lifecycle of *Plasmodium falciparum*.

OR

What are the diseases caused by nematodes? Explain the pathogenesis of *Ancylostoma duodenale*.

11. Comment on the tests for the identification of parasites in stool in detail.

OR

Give the morphological characterization with the lifecycle of *Enterobius vermicularis*.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.