

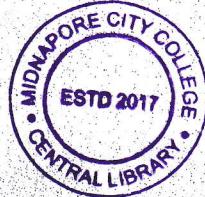
The West Bengal University of Health Sciences
B.Sc. in Medical Microbiology 3rd Semester May - June, 2023
Examination

Subject : Parasitology

Time : 2 hrs.

Full Marks : 50

Attempt all questions



1. Tick the correct answer : 10 x 1
- Largest protozoan parasite is :
 - Entamoeba histolytica*.
 - Trichomonas vaginalis*.
 - Leishmania donovani*.
 - Balantidium coli*.
 - True statement regarding *Entamoeba histolytica* is :
 - The trophozoites are infective to man.
 - Mature cyst has eccentric nucleus.
 - It can cause primary amebic encephalitis.
 - Cyst are resistant to chlorine concentration used in drinking water.
 - Drug of choice in giardiasis is :
 - Metronidazole.
 - Albendazole.
 - Thiabendazole.
 - Diloxanide furoate.
 - Mucocutaneous leishmaniasis is caused by :
 - Leishmania braziliensis*.
 - Leishmania donovani*.
 - Leishmania tropica*.
 - None of the above.
 - Vector for *T. brucei gambiense* is :
 - Sandfly.
 - Reduviid bug.
 - Tsetse fly.
 - House fly.
 - Crescent-shaped or banana-shaped gametocytes are seen in infection with :
 - Plasmodium vivax*.
 - Plasmodium falciparum*.
 - Plasmodium malariae*.
 - Plasmodium ovale*.
 - Which of the following acts as the main reservoir of *Balantidium coli* infection?
 - Man.
 - Monkey.
 - Pig.
 - Cow.
 - Motility of *Trichomonas vaginalis* is described as :
 - Amoeboid.
 - Jerky.
 - Falling leaf.
 - Lashing.
 - Chilomastix mesnili* lives in :
 - Duodenum.
 - Mouth.
 - Vagina.
 - Caecum.
 - Dientamoeba fragilis* can be differentiated from the amoeba by the presence of :
 - Two or some time four nuclei.
 - Cytosome.
 - Cyst stage.
 - Food vacuoles containing RBCs.
2. Answer **any four** of the following questions : 4 x 2
- What do you mean by facultative and obligate parasite?
 - What is paratenic host?
 - Write the clinical symptoms of PAM.
 - Why malaria is called black water fever?
 - What is signet ring stage of malaria parasite?
 - What do you mean by ectoparasite and endoparasite? Explain with proper example.

P. T. O.

3. Answer **any four** of the following questions : 4 x 4
- a) What is giardiasis? Write down the symptoms and treatment of giardiasis. 1+2+1
 - b) Name the causative organism and clinical manifestation of Sleeping sickness. 1+3
 - c) Why does Kala-azar skin darken? How do you diagnose this disease? 2+2
 - d) What is ova stool test? What kind of infection can be found by this test? 2+2
 - e) What is hemoparasites? What do you mean by IFA test? 2+2
 - f) What is the gold standard for leishmania diagnosis? Explain the methods. 1+3
4. Answer **any two** of the following questions : 2 x 8
- a) Mention the pathogenicity caused by the causative organism of cerebral malaria. Briefly describe the asexual life cycle of it. 3+5
 - b) What do you mean by metastatic lesion? Explain the life cycle of *E. histolytica*? 2+6
 - c) Describe briefly the life cycle of Trypanosome. Write the pathogenicity and treatment of that disease. 5+2+1

