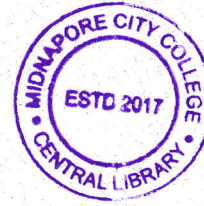


**The West Bengal University of Health Sciences**  
**M.Sc. MLT in Microbiology 1st Year September- October, 2023**

**Examination**

Subject: Basic Microbiology

Time: 3 hrs



Full Marks: 80

*Attempt all questions*

1. Enumerate the methods of sterilization by dry heat. Describe the functioning of a hot air oven. Write down the controls that can be used in a hot air oven. 4+4+2
  
2. A child aged 5 yrs complains of fever, pain in the throat with excessive salivation & refusal to food for last 3 days. On examination white patch was seen on the tonsils. Name the common bacteria that may cause it. Describe the laboratory diagnosis caused by any one of them. 4+6
  
3. Name the parasite that causes visceral leishmaniasis. Draw & describe the morphological forms of the parasite. Write down its laboratory diagnosis. 2+2+6
  
4. Describe the morphology of Human Immunodeficiency Virus. Describe in brief clinical stages of HIV/AIDS for adults as defined by WHO. Write the Post exposure prophylaxis of HIV infection. 4+4+2
  
5. Write short notes of the following: 5 x 8

a) Weil –Felix reaction.	b) Sabouraud Dextrose Agar.
c) Wool Sorfer's Disease.	d) Mucor mycosis.
e) Human Corona vims.	f) Bacterial growth curve.
g) VDRL.	h) ZN- staining.