

The West Bengal University of Health Sciences
M.Sc. MLT in Microbiology 1st Year January-February, 2023

Examination

Subject: Basic Microbiology

Time: 3 hrs

Full Marks: 80



Attempt all questions

1. Name the agent that causes Ascariasis. Briefly describe its life cycle and laboratory diagnosis. 2+(4+4)
2. Define Sterilization and Disinfection. Briefly discuss about different sterilization process. Why moist heat is much better than dry heat? 2+6+2
3. Give an account on comparative characteristics of Gram Positive and Gram Negative bacteria. What are the objectives of Gram Staining? Why iodine is used as mordant in Gram Staining procedure? 5+2+3
4. Define Pathogen and Pathogenicity. What do you mean by Portal of Entry? Briefly describe the process of infection. 3+3+4
5. Write short notes of the following: 5 x 8
 - a) Sporulation process of bacteria.
 - b) Nosocomial Infection.
 - c) Acid Fast Staining.
 - d) Mycosis.
 - e) WIDAL Test.
 - f) Autoclave.
 - g) Life cycle of Malaria parasite.
 - h) Negative Stain.