p3

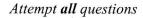
The West Bengal University of Health Sciences M.Sc. MLT in Microbiology 1st Year January-February, 2023

Examination

Subject: Basic Microbiology

Full Marks: 80

Time: 3 hrs



- 1. Name the agent that causes Ascariasis. Briefly describe its life cycle and laboratory diagnosis. 2+(4+4)
- 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 mordent in Gram Staining procedure? 5+2+3
- 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:
 - 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.



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5 x 8