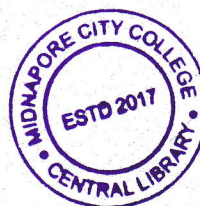


The West Bengal University of Health Sciences
M.Sc. in Medical Microbiology Part-II November-December, 2023
Examination

Subject : Bacteriology and Mycology
 Paper : II



Full Marks : 100
 Time : 3 hrs.

Attempt all questions

1. How you approach for diagnosis of bacterial meningitis in your laboratory? 10

2. What are the causative agents of enteric fever? How will of diagnose the disease in first week of fever? 2+8

3. What are etiologic agents of Urinary Tract Infection? What is significant bacteriuria? How will you collect urine from a female patient? 4+2+4

4. Write short notes on : 5+5
 - a) Germ tube test.
 - b) Sabouraud's dextrose agar media.

5. What are causative agents of gas gangrene? What are the toxins involved? What are the methods of culture? 2+4+4

6. What are the transport media for stool culture? How you approach for diagnosis of diarrhoea in your laboratory? 2+8

7. What is hospital acquired infection? What is the role of hospital infection control committee? 2+8

8. Name the bacteria causing tuberculosis. How will you collect sputum from a suspected tuberculosis patient? How will you proceed for decontamination and concentration of the specimen? 2+4+4

9. Name some fungal agents causing dermatophytosis. What are the samples required for diagnosing the condition. How will you approach for diagnosis? 2+4+4

10. Write short notes on : 5+5
 - a) Mycetoma.
 - b) Mycobacterium leprae.