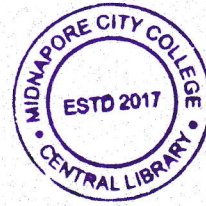


The West Bengal University of Health Sciences
M.Sc. in Medical Microbiology Part-II November-December, 2023
Examination

Subject : Applied Microbiology & Recent Advances
Paper : IV

Attempt all questions



Full Marks : 100
Time : 3 hrs.

1. Write in brief about Vaccine against COVID-19. 10
2. Discuss about laboratory safety and security. 10
3. Describe principle and applications of flowcytometry in Microbiology. 10
4. Write short notes on : 2 x 5
 - a) Point mutation.
 - b) Non gonococcal Urethritis.
5. State the role of EQA in evaluation of performance of a diagnostic laboratory. 10
6. What is CRISPR-Cas system? Discuss its principle and utility as a diagnostic tool in infectious disease. 10
7. Write in brief about Hand hygiene. 10
8. Write a note on POCT (Point of care testing). 10
9. Discuss about Automation in diagnostic microbiology laboratory. 10
10. Write in detail about mRNA Vaccine. 10