

The West Bengal University of Health Sciences
M.Sc. in Medical Microbiology Part-II July-August, 2020
Examination
(Session-2016-2019)

Subject : Applied Microbiology & Recent Advances
Paper : IV



Full Marks : 100
Time : 3 hrs.

Attempt all questions

1. Discuss briefly about CSSD and its function. 10
2. Write any one method of testing faecal contamination of water in clinical microbiology laboratory. 10
3. Discuss in short Hospital acquired infection. 10
4. Discuss briefly : a) Transposable genetic materials. b) DNA vaccine. 5+5
5. Classify β lactamases on the basis of genetic sequence (Amblers classification). Write method of phenotypic detection of each type of β lactamases. 2+8
6. Write short note on : 5+5
 - a) CRBSI (Catheter related blood stream infection).
 - b) Biofilm.
7. Write in brief different subsets of lymphocytes along with their functions. 10
8. Write in brief antibiotic stewardship and its implication. 10
9. Discuss in brief : Mechanism of Graft rejection and its prevention. 10
10. Write short note on : 5+5
 - a) Automation in Microbiology.
 - b) Accreditation of Microbiology Laboratory.