

M.B.B.S. [2nd Prof.]

BF/2016/11

Microbiology - A

M.M. : 40

Time : 3 Hours

- Note: 1. Attempt all questions. Illustrate your answer with suitable diagrams.
2. ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.
3. **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED**
4. **The student must write Q.P. Code in the space provided on the Title page of the Answer Book.**

PART - I

1. a. Enumerate the various methods of gene transfer in bacterial and discuss any one method in detail. [4]
b. Write note on biomedical waste and briefly describe its methods of disposal. [4]
2. **Write in brief:-**
a. Methods of antimicrobial susceptibility testing. [3]
b. Principle and uses of ELISA. [3]
3. **Write short notes on:-**
a. Subsets of T lymphocytes and their functions. [3]
b. Prevention of Hospital acquired infections. [3]

PART - II

4. Classify Chlamydiae. Outline the laboratory procedure for the diagnosis of infections caused by them. [8]
5. **Write short notes on:-**
a. Methods of cultivation of anaerobic bacteria. [3]
b. Vibrio cholera 0139. [3]
6. **Write briefly about:-**
a. Bioterrorism. [3]
b. Emerging bacterial infections. [3]
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