

M.Sc. (Final)

MICROBIOLOGY

Paper - II

Medical Microbiology

[Minimum Pass Marks : 36

Note : Answer **all** questions. All questions carry equal marks. Draw diagrams wherever required.

Unit-I

1. Define Human Microbiomics. Describe in detail the importance of gut microflora in human health.

OR

Describe in detail the contributions of Robert Koch and Louis Pasteur in the development of Medical Microbiology.

Unit-II

2. Describe in detail how variation can support virulence.

OR

(2)

Describe in detail the mechanism that leads to bacterial invasion inside the host.

Unit-III

3. Describe in detail the intracellular bacteria and the important diseases caused by them.

OR

Describe in detail the toxins produced by bacteria and some important diseases caused by them.

Unit-IV

4. Describe in detail the orthomyxo viruses and the important diseases caused by them.

OR

Describe in detail the symptoms, types, pathogenicity and treatment of Hepatitis.

Unit-V

5. Describe in detail immunoprophylaxis and its types.

OR

Describe in detail Nosocomial infections and their prevention.
