

M.Sc (Non Clinical) DEGREE EXAMINATION

FINAL

Branch V –MICROBIOLOGY

Paper I – GENERAL BACTERIOLOGY AND IMMUNOLOGY

Q.P. Code : 282976

Time : Three hours

Maximum : 100 marks

Answer All questions.

I. Essays:

(2 X 20=40)

1. Discuss in detail the structure of bacterial cell wall of both gram positive and gram negative bacteria. Write a note on their applied aspects.
2. Discuss in detail the different mechanisms employed in transmission of genetic material in bacteria. Write a note on genetic mechanisms of drug resistance.

II. Write Short Notes on :

(10X 6 = 60)

1. Tyndallization.
2. Bacterial flagella.
3. IMViC tests.
4. Immunoglobulin M.
5. Endotoxins.
6. Anaerobic culture methods.
7. Radio immunoassay.
8. Cytokines.
9. Graft versus host reaction.
10. Coomb's test.