FACULTY OF SCIENCE
M. Sc. III – Semester Examination, December 2016
Subject: Microbiology
Paper – IV: Medical Bacteriology
Time: 3 Hours

Max. Marks: 80

Note: Answer all questions from Part–A and Part–B. Each question carries 4 marks in Part–A and 12 marks in Part – B.

PART – A (8 x 4 = 32 Marks)
(Short Answer Type)

1. Normal flora of skin
2. Origin of normal flora
3. Pathogenicity
4. Specific lab tests
5. Hemophilus influenzae
6. Epidemiology
7. Pigments of Pseudomonas
8. Dysentery

PART – B (4 x 12 = 48 Marks)
(Essay Answer Type)

9. (a) Write about the normal flora of intestinal tract and its significance with human diseases.

   OR

   (b) Explain about the bacteria present in blood and tissues.

10. (a) Define infection, its types, sources and means to transfer.

    OR

    (b) What is diagnostic microbiology and write a note on pathogen detection?

11. (a) Write about the different microorganisms responsible for air-borne infections and their cultural characteristics.

    OR

    (b) Write about the sexually transmitted diseases and preventive measures.

12. (a) Explain the cultural characteristics of Salmonella typhii and the infection caused by it.

    OR

    (b) What is MRSA? Explain the wound infection caused by Staphylococcus aureus.

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