

**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 typhi* and the infection caused by it.

**OR**

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

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