

**FACULTY OF SCIENCE**  
**M.Sc. III – Semester Examination, December 2014**

**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 intestinal tract
- 2 Normal flora of mouth
- 3 Communicability
- 4 Sub clinical infection
- 5 Quellung reaction
- 6 Elek's gel precipitation test
- 7 Toxins of *Cl. tetani*
- 8 Coagulase test

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

- 9 a) Write an essay on origin, distribution of normal microbial flora of healthy human body  
**OR**  
b) Discuss in detail about the effect of antimicrobial agents on normal microbial flora.
- 10 a) Explain the factors that influence the pathogenicity.  
**OR**  
b) Write an essay on different modes of spreading of infection.
- 11 a) Write an essay on tuberculosis.  
**OR**  
b) Write an essay on syphilis.
- 12 a) Write an essay on *cholera* .  
**OR**  
b) Write an essay on *Clostridium tetani*.

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