

**FACULTY OF SCIENCE**

**M.Sc. III-Semester Examination, December 2013**

**Subject: MICROBIOLOGY**

**Paper – IV (304) : 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 (8X4 = 32 Marks)**  
**[Short Answer Type]**

1. Septicaemia
2. Normal bacterial flora of vagina
3. Oxidase test
4. Plasmids
5. Pneumonia
6. Meningococcal meningitis
7. Prophylaxis of tetanus
8. Pseudomonas aeruginosa

**PART – B (4x12 = 48 Marks)**  
**[Essay Answer Type]**

9.(a) Describe the role of the resident microbial flora in human body.

**OR**

(b) Describe the effect of antimicrobial agents on normal flora.

10.(a) Describe infection and disease manifestation.

**OR**

(b) Describe the utility of laboratory animals in diagnostic microbiology.

11.(a) Describe the laboratory diagnosis of pulmonary tuberculosis. Add a note on its prophylaxis.

**OR**

(b) Describe the laboratory diagnosis of syphilis. Add a note on prevention and treatment of syphilis.

12.(a) Describe the etiology and laboratory diagnosis of wound infection.

**OR**

(b) Describe the antigenic structure and antigenic variations in Salmonella.

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