FACULTY OF SCIENCE
M.Sc. III-Semester Examination, December 2013
Subject: MICROBIOLOGY
Paper - IV (304): Medical Bacteriology
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.