

FACULTY OF SCIENCE

M.Sc. III Semester Examination, May/June 2012

MICROBIOLOGY

Paper IV

(Medical Bacteriology)

Time : 3 Hours]

[Max. Marks : 80

Answer **all** questions.

Section A – (Marks: 8 x 4 = 32)

Short Answer Type

1. Normal flora of Skin
2. Bacteria in the blood and tissues
3. Transportation of specimen
4. Use of Lab animals in diagnostic microbiology
5. STD
6. β -haemolytic streptococci.
7. Paratyphoid
8. Dysentery.

Section B – (Marks : 4 x 12 = 48)

(Essay Answer Type)

9. (a) Describe the Classification of medically important microbes.
Or
(b) Explain the principles of medical microbiology.
 10. (a) Describe the properties of pathogenic microbes.
Or
(b) Explain important specific and non-specific lab-investigations.
 11. (a) What are air born infections? Describe the disease caused by Mycobacterium tuberculosis.
Or
(b) What is Pneumonia? Explain its pathogenesis, lab diagnosis, prevention and treatment.
 12. (a) What is Cholera? Describe its pathogenesis lab diagnosis, prevention and treatment.
Or
(b) Explain the wound infections caused by pseudomonos.
-