

[KR 540]

Sub. Code : 4061

SECOND M.B.B.S. DEGREE EXAMINATION.

Revised (Non-Semester) Regulations

Paper I — GENERAL MICROBIOLOGY,
IMMUNOLOGY AND SYSTEMATIC BACTERIOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay

1. Describe the methods of transmission of genetic material and genetic mechanism of drug resistance in bacteria. (20)

2. Mention the clostridia of medical importance. Describe in detail the pathogenesis and Laboratory diagnosis of gas gangrene. (15)

3. Describe the morphology. Cultural characters, Pathogenesis and Laboratory diagnosis of *Bacillus anthracis*. (15)

II. Write short notes on : (6 × 5 = 30)

- (a) Bacterial Capsule.
- (b) Eltor vibrios.
- (c) Alternate pathways of complement.
- (d) Natural killer cells.
- (e) Western blot analysis.
- (f) TRIC agent.