

[KP 540]

Sub. Code : 4061

II. Short notes :

(6 × 5 = 30)

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

Revised (Non-Semester) Regulations

Paper I — GENERAL MICROBIOLOGY,  
IMMUNOLOGY, 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) Mention the causes of meningitis. Discuss the pathogenesis, Lab diagnosis and the role of BACTEC in rapid diagnosis of causative agents in bacterial meningitis. (20)

(2) Define and classify hyper sensitivity. Discuss the mechanism of anaphylaxis. (15)

(3) Discuss the various methods of sterilization including Hepa filters. Discuss the protocol to sterilize the major surgical operation theatre. (15)

(a) Enumerate the various Antigen – Antibody reactions and their uses in diagnostic microbiology.

(b) Louis Pasteur – contributions.

(c) Bacterial Drug Resistance.

(d) Rickettsiae.

(e) MHC restriction.

(f) Quellung Phenomena.