



[KZ 540]

AUGUST 2011

Sub. Code : 4061

SECOND M.B.B.S. DEGREE EXAMINATION
Revised (Non-Semester) Regulations
Paper I – GENERAL MICROBIOLOGY, IMMUNOLOGY
AND SYSTEMIC BACTERIOLOGY

Q. P. Code : 524061

Time : Three hours

Maximum: 100 Marks

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

I. Essay Questions :

(2 x 15 = 30)

1. Enumerate Hypersensitivity reactions and discuss in detail about Type 4 Hyper sensitivity reaction and add a note on Shwartzman reaction.
2. Discuss in detail about the etiology, pathogenesis, Lab diagnosis of Bordetella pertussis.

II. Write Short notes on :

(10 x 5 = 50)

1. Major Histocompatibility complex.
2. Toxins of Clostridium perfringens.
3. Scrub typhus fever.
4. Abnormal Immunoglobulins.
5. Electron Microscopy.
6. Immunological tolerance.
7. Hemolytic disease of the New born.
8. Relapsing fever.
9. Transposable genetic elements
10. Anaerobic culture methods.

III. Short Answer questions :

(10 x 2 = 20)

1. Name two Heterophile Antigen – Antibody reaction.
2. Enumerate four Liquid culture media for the cultivation of Mycobacterium tuberculosis.
3. Stalactite growth.
4. Name four Disorders of Phagocytosis.
5. Name two Adjuvants.
6. Name four determinants of Antigenicity.
7. Name four types of Mutation.
8. Name four different types of diarrheagenic Escherichia coli.
9. Satellitism.
10. Voges-Proskauer test.

