



[KT 540]

AUGUST 2008

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. Define and classify sterilization. Write about sterilization by moist heat.
2. Mention the bacterial agents causing meningitis.
Discuss the pathogenesis and laboratory diagnosis of acute pyogenic meningitis caused by any one of them.

II. Write Short notes on :

(10 x 5 = 50)

1. Atypical mycobacteria.
2. Tests for toxin production of coryne bacterium diphtheria.
3. Bacterial Virulence.
4. Gonorrhoea.
5. Immunoglobulin G.
6. Biological functions of complement.
7. Bacterial Capsule.
8. Widal test.
9. Type III Hypersensitivity.
10. Non suppurative complications of streptococci.

III. Short Answer Questions :

(10 x 2 = 20)

1. Name four pigments produced Bacteria.
2. Diagram of Immunoglobulin M.
3. Give four examples of enriched media.
4. Name two zoonotic bacterial diseases.
5. Tube coagulase test.
6. Name four specific serologic tests for syphilis.
7. Four differences between exotoxin and endotoxin.
8. Two liquid media to grow Mycobacteria.
9. Satellitism.
10. Urease test.
