



[KV 540]

AUGUST 2009

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 in detail about chemical methods of sterilization.
2. Name the bacterial agents causing pyrexia of unknown origin.  
Write the pathogenesis and lab diagnosis of enteric fever.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Flagella.
2. Transduction.
3. Acquired immunity.
4. Monoclonal antibodies.
5. Coagulase test.
6. Elek's gel precipitation test.
7. VDRL test.
8. Autoclave.
9. Lepromin test.
10. Weil felix test.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Pasteurisation.
2. Koch's postulates.
3. Name four selective media.
4. Plasmids.
5. Name four mechanisms of auto immunity.
6. Neufeld quelling phenomenon.
7. M<sup>1</sup> fadyean's reaction.
8. Name four clostridia causing gas gangrene.
9. Stalactite growth.
10. Runyons classification of atypical mycobacteria.

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