

[LH 540]

AUGUST 2015

Sub.Code :4061

SECOND YEAR M.B.B.S. DEGREE EXAMINATION  
PAPER III – GENERAL MICROBIOLOGY, IMMUNOLOGY AND  
SYSTEMIC BACTERIOLOGY

*Q.P. Code: 524061*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(1 x 10 = 10)**

1. Describe the epidemiology, pathogenesis, laboratory diagnosis and prevention of cholera.

**II. Write notes on:**

**(4 x 5 = 20)**

1. Conjugation.
2. RNTCP.
3. Types of diarrheagenic *Escherichia coli*.
4. Tumor antigens.

**III. Short answers on:**

**(5 x 2 = 10)**

1. Define agglutination and precipitation.
2. Immunoglobulins that are able to fix complement.
3. Characteristics of the secondary immune response.
4. Biological controls for assessing dry heat and moist heat sterilization.
5. Morphology of *B. anthracis*.

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