

[LO 540]

FEBRUARY 2019

Sub.Code :5063

**M.B.B.S. DEGREE EXAMINATION  
SECOND YEAR  
PAPER III – MICROBIOLOGY – I**

*Q.P. Code: 525063*

**Time: Three hours**

**Maximum : 40 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(1+1+2+3+2+1 = 10)**

1. A 15 year old boy presents with history of fever with headache, malaise and coated tongue of 8 days duration. On examinations boy was found to have step ladder pyrexia, bradycardia and soft palpable spleen. What is the probable diagnosis? Write the mode of infection, pathogenesis, lab diagnosis and treatment. Add a note on its prophylaxis.

**II. Write notes on:**

**(6 x 4 = 24)**

1. Toxins of streptococcus pyogenes.
2. Immunoglobulin G (IgG).
3. Botulism.
4. Lymphogranuloma venereum.
5. Tuberculin testing.
6. Actinomycosis.

**III. Short answers on:**

**(6 x 1 = 6)**

1. Transposons.
2. Cold sterilization.
3. Composite media.
4. El Tor vibrios.
5. White graft response.
6. Enumerate four complement deficiency diseases.

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