

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.P.T. Degree Examination – 20-Nov-2024**

**Time: 3 Hours**

**Max. Marks: 40 Marks**

**Microbiology (RS-5)**

**Q.P. Code: 2738**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

**(Note : Both QP Codes 2737 and 2738 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Draw a neat labelled diagram of bacterial cell. Describe bacterial cell wall in detail.
2. Define Pyrexia of unknown origin. Discuss in detail pathogenesis and laboratory diagnosis of enteric fever.

**SHORT ESSAYS (Answer any Three)**

**3 x 5 = 15 Marks**

3. Gas gangrene.
4. Hot air oven.
5. Laboratory diagnosis of Hepatitis B virus infection.
6. Acquired Immunity.

**SHORT ANSWERS**

**5 x 3 = 15 Marks**

7. Draw a neat labelled diagram of secretory IgA.
8. Mention three non-suppurative complications of streptococcal infection.
9. Name four fungi causing opportunistic infections.
10. Draw a neat labelled diagram of HIV.
11. Name four bacteria causing meningitis.

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