

# Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.P.T. Degree Examination - April 2014

Time: 3 Hours

Max. Marks: 40 Marks

## Microbiology

**Q.P. Code : 2709**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

**(Note : Both QP Codes 2708 and 2709 are to be answered within total duration of 3 hours)**

### **LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Define and classify hypersensitivity reactions. Discuss type-1 hypersensitivity.
2. Define Pyrexia of unknown origin. Enumerate the organisms causing it. Discuss the laboratory diagnosis of typhoid fever.

### **SHORT ESSAYS (Answer any Four)**

**4 x 5 = 20 Marks**

3. Prophylaxis against tetanus.
4. ELISA.
5. Antimicrobial susceptibility testing.
6. Gonorrhoea.
7. Cryptococcus neoformans.

### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

8. Define adjuvant and give two examples.
9. Name four bacteria causing urinary tract infections.
10. Interferons.
11. Quellung reaction.
12. Mention two differences between endotoxin and exotoxin.

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