



**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Respiratory Care Technology Degree Examination – 17-May-2023**

**Time: Three Hours**

**Max. Marks: 50 Marks**

**Applied Microbiology (RS-3)**  
**Q.P. CODE: 3397**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

**(Note: Both QP Codes 3396 and 3397 are to be answered within total duration of 3 hours)**

**LONG ESSAYS (Answer any One)**

**1 x 10 = 10 Marks**

1. Define and classify sterilisation. Describe the principle and applications of autoclave
2. Enumerate the hepatitis virus. Describe the morphology, mode of transmission, laboratory diagnosis and prevention of hepatitis B virus

**SHORT ESSAYS (Answer any Five)**

**5 x 5 = 25 Marks**

3. CSSD
4. Ventilator associated Pneumonia
5. High level disinfectants
6. Multi drug resistant tuberculosis – detection and treatment
7. Infection control measures for ICU
8. Clinical manifestations and prevention of Varicella zoster

**SHORT ANSWER**

**5 x 3 = 15 Marks**

9. Settle plate method
10. Name three organisms spread by faeco oral route
11. Name three safe injection practices
12. Draw a neat labelled diagram of HIV
13. Name three gaseous disinfectants

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