

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Allied Health Sciences Degree Examination – 23-Nov-2023**

**Time: Three Hours**

**Max. Marks: 50 Marks**

**Applied Microbiology – (Sec B) (RS-3)**  
**(Anaesthesia Technology and Operation Technology)**

**Q.P. CODE: 3405**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

**(Note: Both QP Codes 3404 and 3405 are to be answered within total duration of 3 hours)**

**LONG ESSAYS**

**1 x 10 = 10 Marks**

1. List a communicable viral infection, which infects healthcare workers. Describe in detail about morphology, pathogenicity and laboratory diagnosis of hepatitis B virus infection. Add a note on its prevention

**SHORT ESSAYS (Question No. 4 choice)**

**5 x 5 = 25 Marks**

2. Disinfection of instruments used in patient care
3. Needle stick injury and its prevention
4. Infections caused by Salmonella  
**OR**  
Infections caused clostridium difficile
5. Laboratory diagnosis of pulmonary tuberculosis
6. Moist heat method of sterilisation

**SHORT ANSWER (Question No.9 choice)**

**5 x 3 = 15 Marks**

7. Vancomycin resistant enterococci
8. Name three RNA viruses
9. Name three drug resistant bacteria  
**OR**  
Name three gaseous disinfectants
10. Name three healthcare associated infections
11. Name three pathogens causing catheter related urinary tract infections

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