## Rajiv Gandhi University of Health Sciences, Karnataka II Year B.Sc. Respiratory Care Technology Degree Examination - 23-Nov-2023

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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)

 $1 \times 10 = 10 \text{ Marks}$ 

- 1. Describe the layout of central sterile services department (CSSD) with special note on plan for instrument cleaning and sterilizing area. Add a note on its function.
- 2. List communicable viral infections that infections that infects healthcare workers in hospitals. Describe in detail about Hepatitis B virus infection and add a note on its prevention.

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

 $5 \times 5 = 25 \text{ Marks}$ 

- 3. Disinfection of instruments used in patient care.
- 4. HIV virus Morphology and precautions to prevent infection.
- 5. Describe the morphology and mode of spread of Varicella Zoster (V-Z) virus infection. Add a note on its prevention.
- 6. Blood culture for Salmonella Typhi infections.
- 7. Air sampling method.
- 8. Infections caused by faeco-oral route.

SHORT ANSWER 5 x 3 = 15 Marks

- 9. Vancomycin resistant Enterococi.
- 10. Morphology of Mycobacterium Tuberculosis.
- 11. Name three gaseous disinfectants.
- 12. Name three healthcare associated infections.
- 13. Name three pathogens causing catheter related urinary tract infections.

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