

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. (Renal Dialysis Technology) Degree Examination – 02-Dec-2024

Time: 3 Hours

Max. Marks: 50 Marks

MICROBIOLOGY (RS2)

Q.P. Code: 1352

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

(Note: Both QP Codes 1351 and 1352 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Describe the morphology, modes of transmission, pathogenesis and laboratory diagnosis of HIV.
2. Define opportunistic infections. List fungi causing opportunistic infections. Describe in detail about pathogenesis and laboratory diagnosis of Cryptococcus neoformans.

SHORT ESSAYS (Answer any Five)

5 x 5 = 25 Marks

3. Hepatitis B virus morphology and modes of transmission.
4. ELISA.
5. Candidiasis.
6. Laboratory diagnosis of urinary tract infection.
7. Write in brief about blood culture.
8. Universal precautions taken in hospital to prevent infections.

SHORT ANSWERS (Answer any Five)

5 x 3 = 15 Marks

9. Name three RNA viruses.
10. Name three pathogens causing nosocomial infections.
11. Name three Gram negative bacteria.
12. Name three species of Aspergillus.
13. Name three disinfectants used in hospital to prevent infections.
14. Name three culture methods used in microbiology laboratory.
