

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination – 25-May-2023

Time: Three Hours

Max. Marks: 100 Marks



MICROBIOLOGY

(RS-3 – B.Sc Cardiac Care Technology, Perfusion Technology, Renal Dialysis Technology, Respiratory Care Technology, Neuro Sciences Technology, Anesthesia Technology, Operation Theatre Technology, Emergency and Trauma Care Technology)

(RS-4 – B.Sc Medical Laboratory Technology, Medical Imaging Technology and Radiotherapy Technology) Anesthesia and Operation Theatre Technology

Q.P. CODE: 3265

(QP contains two pages)

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. Classify the biomedical waste. Enumerate the methods used in the treatment of this waste.
2. List methods of moist sterilization. Describe in detail the functioning and uses of Autoclave.

OR

List viruses transmitted by insect vectors. Describe the laboratory diagnosis of dengue infection.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Modes of spread and methods of prevention of HCV infection.
4. Determinants of antigenicity.
5. Laboratory diagnosis of T. solium infection.
6. Infections caused by Aspergillus species.
7. Immunization schedule followed in India.
8. Mechanism of Innate immunity.
9. Methods of gaseous sterilization.
10. Methods of sterilization by filtration.

OR

Laboratory diagnosis of hook worm infection.

11. Laboratory diagnosis of enteric fever.
12. Draw a neat labelled diagram of the bacterial cell.

SHORT ANSWER (Question No 15 & 20 choice)

10 x 3 = 30 Marks

13. Name three viruses causing genitourinary infections
14. Name three bacteria causing infections of the lung.
15. Three Phagocytic cells.

OR

Three differences between primary and secondary immune response.

16. Name three viral infections transmitted through food and water.

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17. Laboratory diagnosis of leprosy.
18. Name three dermatophytes.
19. List three antigen antibody reactions.
20. Name three killed viral vaccines.
OR
Name any three Nosocomial infections and the bacteria causing them.
21. Laboratory diagnosis of parasitic infections.
22. KOH mount.
