

Rajiv Gandhi University of Health Sciences

First year B.Sc. MLT Degree Examination - Aug 2013

[Time: 3 Hours]

[Max. Marks: 40]

MICROBIOLOGY

Q P Code : 1605 – Section - B [40 Marks]

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Use separate answer books for section A and section B

I LONG ESSAY (Answer any One) (1X10=20)

1. Describe the structure of compound microscope with a neat, labeled diagram. Add an account of the uses of its parts.
2. List down the characteristics of an ideal disinfectant. Describe the different chemical disinfectants and their uses.

II SHORT ESSAY (Answer any Four) (4X5=20)

3. Classify bacteria according to their shape.
4. Name the different types of culture media and mention their uses.
5. Describe the various types of bacterial filters and their uses.
6. Briefly explain the metabolism of bacteria.
7. Explain the principle, method and uses of Zeil - Neelson's staining.

III SHORT ANSWERS (5X2=10)

8. Name TWO capsule bearing bacteria.
9. Mention the two methods of pasteurization.
10. Name FOUR antibiotics that act on the protein synthesis of bacteria.
11. Explain the role of plasmids in bacteria.
12. Name THREE dry heat technique of sterilization.

* * * * *