

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**MBBS (Phase - II) Degree Examination - 12-Jul-2023**

**Time: Three Hours****Max. Marks: 100 Marks****MICROBIOLOGY – PAPER I (RS3)****Q.P. CODE: 1083**

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

**LONG ESSAYS****2 x 10 = 20 Marks**

1. Define and classify immunity. Describe acquired immunity.
2. Classify vibrios. Write in detail about pathogenesis and **laboratory** diagnosis of cholera.

**SHORT ESSAYS****10 x 5 = 50 Marks**

3. Autoclave.
4. IgG
5. Type I hypersensitivity.
6. Toxins and virulence factors of *Staphylococcus aureus*.
7. **Laboratory** diagnosis of gonococci.
8. Laboratory diagnosis of pulmonary tuberculosis.
9. Bacterial spore.
10. Uses of dark ground microscope and note on **maintenance** of microscope.
11. Plasmids
12. Bacterial growth curve.

**SHORT ANSWERS****10 x 3 = 30 Marks**

13. Any three contributions of Louis Pasteur.
14. Name three gram negative bacilli.
15. Define Enriched media. Give two examples of Enriched media.
16. Enumerate three functions of complement.
17. Name three hospital acquired infections.
18. Name three bacterial vaccines.
19. Name three uses of mice.
20. Name three agglutination tests.
21. Name three bacteria causing meningitis.
22. Name three **bacteria** causing UTI.

# Rajiv Gandhi University of Health Sciences, Karnataka

\*\*\*\*\*

firstranker.com  
www.FirstRanker.com