

# Rajiv Gandhi University of Health Sciences, Karnataka

## MBBS (Phase - II) Degree Examination - 14-Aug-2024

**Time: Three Hours****Max. Marks: 100****MICROBIOLOGY – PAPER I (RS-3)****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 **sterilization** and classify **methods of** sterilization. Discuss in detail moist heat sterilization
2. a) What is Bio-medical waste (BMW)?  
b) Why BMW management is important?  
c) How BMW are Segregated, collected and disposed?  
d) Add a note on Needle stick injury management

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

3. Enrichment media
4. T.S.I media
5. IgG antibody
6. Louis Pasteur
7. Differences between active and passive immunity
8. What is bacterial growth curve? Give details about factors affecting growth
9. Classify **Streptococci** and add a note on ASO test
10. Write about sample collection and **laboratory** diagnosis of pulmonary tuberculosis
11. **Laboratory** diagnosis of gonorrhea
12. Coagulase test

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

13. Name three non motile bacteria
14. Name three precipitation tests
15. Classification of Shigella
16. Widal test
17. Name three anaerobes
18. Name three bacterial vaccines
19. Transport media
20. Plasmid
21. Name three uses of hot air oven
22. Clostridium tetani

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