Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (MLT) Degree Examination - 31-Oct-2026

Time: Three Hours **Max. Marks: 80**

Microbiology – II (RS3)

Q.P. CODE: 3157

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

LONG ESSAY (Any Two) **2 x 10 = 20 Marks**

1. Classify Mycobacteria. Describe in detail pathogenicity and laboratory diagnosis of pulmonary tuberculosis
2. Enumerate the malarial parasites. Describe the life cycle and laboratory diagnosis of Plasmodium vivax
3. Enumerate bacteria causing urinary tract infection. Explain the laboratory diagnosis of urinary tract infection

SHORT ESSAY (Any Six) **6 x 5 = 30 Marks**

4. Write a note on Nagler reaction
5. Explain the life cycle of Ascaris lumbricoides
6. Write the principle, procedure and interpretation of Antistreptolysin O test (AS0)
7. Explain the laboratory diagnosis of Taenia solium
8. Write a brief note on laboratory diagnosis of cholera
9. Explain the morphology and clinical manifestation of Giardia lamblia
10. Write a note on prophylaxis for Diphtheria
11. Mention the types of hospital acquired infections and its prevention

SHORT ANWERS (Any Ten) **10 x 3 = 30 Marks**

12. Name three bile stained ova
13. Define Quellung's reaction
14. Name three zoonotic bacterial diseases
15. Describe the morphology of the trophozoite of Entamoeba histolytica
16. Enumerate the Diarrheagenic Escherichia coli
17. Name three selective media
18. Name the concentration techniques for stool
19. Describe the morphology of the egg of Trichuris trichura
20. Write a note on satellitism
21. Write the principle, procedure and interpretation of CAMP test
22. Name three Gram negative bacteria
23. Name three sexually transmitted diseases

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