Rajiv Gandhi University of Health Sciences, Karnataka

Second Year B.Sc. (M.L.T) Degree Examination – 31-Oct-2026

Time: Three Hours **Max. Marks: 100**

MICROBIOLOGY – II (RS-4)

Q.P. CODE: 3280

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

LONG ESSAYS (Second Question Choice) **2 x 10 = 20 Marks**

1. Enumerate the sexually transmitted bacterial infections. Describe the morphology, pathogenesis and laboratory diagnosis of infection caused by treponema pallidum
2. Enumerate the organisms causing gas gangrene. Give a detailed account of the pathogenic mechanism and laboratory diagnosis of gas gangrene

   OR

   Describe the life cycle, pathogenicity and laboratory diagnosis of plasmodium vivax

SHORT ESSAYS (Question No 5 & 10 choice) **10 x 5 = 50 Marks**

3. Laboratory diagnosis of pulmonary tuberculosis
4. ASO test
5. Diarrheagenic E.coli

   OR

   Life cycle of Ascaris lumbricoides
6. DPT vaccine
7. Blood culture
8. Life cycle of strongyloides strecoralis
9. Botulism
10. Toxigenicity testing for Corynebacterium diphtheriae

    OR

    Cysticercosis
11. Coagulase test
12. Laboratory diagnosis of cholera

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

13. NIH swab
14. Catalase test
15. Trichomonas vaginalis
16. Name any three organisms that cause meningitis
17. Name any three cestodes
18. Name three exotoxins
19. Mantaux test
20. Urease test
21. Infection caused by proteus
22. Name any three parasitic eggs that floats in saturated salt solution

*****