

# Rajiv Gandhi University of Health Sciences, Karnataka

## Second Year B.Sc. (M.L.T) Degree Examination – 30-Oct-2025

**Time: Three Hours**

**Max. Marks: 100 Marks**

### **MICROBIOLOGY – II (RS-4)**

**Q.P. CODE: 3280**

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

#### **LONG ESSAYS (Second Question Choice)**

**2 x 10 = 20 Marks**

1. Describe the morphology, pathogenicity and laboratory diagnosis of Diphtheria.
2. Describe the morphology, cultural characters, pathogenicity and laboratory diagnosis of vibrio cholerae.

**OR**

Describe the life cycle, pathogenicity and laboratory diagnosis of Plasmodium falciparum.

#### **SHORT ESSAYS (Question No 5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Enzymes produced by Staphylococcus aureus.
4. Tuberculin Test.
5. Sexually transmitted bacterial diseases.

**OR**

Lifecycle of Hookworm.

6. Kala azar.
  7. Pathogenesis and laboratory diagnosis of Gonococci.
  8. Nosocomial Infections.
  9. Bacillus Anthracis.
  10. Laboratory of Pseudomonas.
- OR**
11. Write Hook worm life cycle.
  12. Pathogenesis and laboratory diagnosis of Ascaris lumbricoides.

#### **SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Botulism.
14. Concentration method for stool examination.
15. Toxoplasma gondii.
16. Name any three organisms that cause urinary tract infections.
17. VDRL test.
18. Define Zoonoses. Name two bacteria that cause zoonotic infections.
19. Name three bacteria that cause Meningitis.
20. L.D Bodies.
21. Black water Fever
22. Coagulase Test.

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