

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Second Year B.Sc. (M.L.T) Degree Examination – 28-Nov-2023**

**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 pathogenicity and laboratory diagnosis of syphilis.
2. Describe the lifecycle of Plasmodium vivax. Add a note on pathogenesis of malaria.

**OR**

Classify Streptococci. Write on pathogenicity and laboratory diagnosis of Streptococcus pyogenes.

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

**10 x 5 = 50 Marks**

3. List three bacteria causing pneumonia and write on laboratory diagnosis of pulmonary tuberculosis.
4. Lifecycle of Entamoeba histolytica.
5. Bacteriological examination of air.

**OR**

Morphology and pathogenicity of gonococcus.

6. Strongyloidiasis.
7. Define Nosocomial infections and write a note on their prevention.
8. Laboratory diagnosis of Corynebacterium diphtheriae.
9. Coagulase test.
10. Lepromin test.

**OR**

Nagler's reaction.

11. Wuchereriasis – causative agent and pathogenicity.
12. Pertussis – pathogenicity and clinical features.

**SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Oxidase test.
14. Name the Bile-stained Ova.
15. Transport medium for Vibrio cholerae.
16. Draw a neat, labelled diagram of Eggs of Ascaris lumbricoides.
17. Name three anaerobic culture media.
18. Morphology of Trichomonas vaginalis.
19. Name three parasitic culture media.
20. Phenyl Pyruvic Acid (PPA) test.
21. Castaneda Biphasic media.
22. Triple sugar iron media – use and interpretation.

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