

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – SEPTEMBER 2015

Time: Three Hours**Max. Marks: 75 Marks****MICROBIOLOGY (RS - 3)****Q.P. CODE: 1759**

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

LONG ESSAYS (Answer any Two)**2 x 10 = 20 Marks**

1. Classify hypersensitivity. Briefly write about Type I hypersensitivity.
2. Describe the pathogenicity and laboratory diagnosis of pulmonary tuberculosis and add a note on RNTCP.
3. Define Nosocomial infection. Explain source and mode of transmission of Nosocomial infection. What are the steps taken to control such infections?

SHORT ESSAYS (Answer any Seven)**7 x 5 = 35 Marks**

4. Bacterial spore
5. Hot air oven
6. Laboratory diagnosis of syphilis
7. Candida albicans
8. Laboratory diagnosis of Hepatitis B virus infection
9. Life cycle of Plasmodium falciparum in man
10. Immunisation schedule
11. Bacterial exotoxins
12. Immunoglobulin G (IgG)

SHORT ANSWERS**10 x 2 = 20 Marks**

13. Name two gaseous disinfectants.
14. Define an antigen.
15. Draw a neat, labeled diagram of bacterial growth curve.
16. Name two bile stained ova.
17. Draw a neat, labeled diagram of trophozoite of Entamoeba histolytica.
18. Define enriched media. Give one example.
19. Name two RNA viruses.
20. Name two bacteria causing sexually transmitted disease.
21. Write the steps of Gram staining.
22. Define mechanical vector and biological vector.
