

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

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. Define sterilization. Write the principle of sterilization. Explain detail about Dry Heat method.
2. Define and classify hypersensitivity. Write mechanism and mediators of anaphylaxis and add a note on its clinical importance?
3. Describe morphology, culture characteristics, pathogenicity and laboratory diagnosis of infection caused by salmonella typhi.

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

4. Prophylaxis in rabies
5. Gram's Stain- principle, theories and procedure.
6. Serological diagnosis of Syphilis.
7. Candidiasis.
8. Biomedical waste management.
9. Dermatophytes
10. Immunization schedule.
11. IgG.
12. Varicella zoster virus

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

13. Morphological classification of bacteria.
14. Blood agar
15. Mention four differences between Exotoxin and Endotoxin.
16. Mention the modes of transmission of Hepatitis B viral infection.
17. Name screening and confirmative test for HIV.
18. Name two special microscopes and mention one use for each.
19. Koch's postulates.
20. Name four common opportunistic infections encountered in HIV.
21. Draw a neat labeled diagram of Bacterial spore.
22. Name four anti-septic agents.
