

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.Sc. (Nursing - Basic) Degree Examination – APRIL 2018

**Time: Three Hours****Max. Marks: 80 Marks**

### MICROBIOLOGY (Revised Scheme)

### **Q.P. CODE: 1681**

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. Discuss the pathogenesis and laboratory diagnosis of pulmonary tuberculosis.
2. Mention various methods of sterilization and give an account on moist heat sterilization.
3. Define Antigen- Antibody reactions. Describe agglutination reaction.

**SHORT ESSAYS (Answer any Eight)****8 x 5 = 40 Marks**

4. Bacterial Capsule
5. Life cycle of Plasmodium vivax in man
6. Candida albicans
7. Transport media
8. Negative staining
9. Cultivation of viruses
10. IgA
11. Mention any five differences between bacteria & viruses.
12. Hospital acquired infection.
13. Acquired Immunity

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

14. Passive immunity
15. Fumigation
16. Name two bacteria causing sexually transmitted disease.
17. Blood agar
18. Gram stain
19. Name two spore-forming bacteria.
20. Use of ELISA test
21. MMR Vaccine
22. Draw a neat labeled diagram of Bacterial Spore.
23. Exotoxin

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