

# Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing (PC) Degree Examination – APRIL 2015

**Time: Three Hours**

**Max. Marks: 75 Marks**

## MICROBIOLOGY

(RS-3 & RS-4)

**Q.P. CODE: 1735**

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 Hypersensitivity. Classify hypersensitivity. Describe Anaphylaxis.
2. Define infection and classify infections. Discuss in detail on Hospital borne infection their development and control.
3. Describe the morphology, culture, pathogenicity and laboratory diagnosis of corynebacterium diphtheriae

### SHORT ESSAYS (Answer any Seven)

**7 x 5 = 35 Marks**

4. Hot air oven
5. Hepatitis A virus
6. Bacterial spore diagram and description
7. Negative staining – principle and procedure
8. Widal test
9. Ancylostoma duodenale – life cycle, clinical features and treatment
10. Rabies vaccines
11. Bacterial growth curve
12. Bacillary dysentery

### SHORT ANSWERS

**10 x 2 = 20 Marks**

13. Write any two Dermatophytes infections
14. Draw a neat labeled diagram of Ig G
15. TAB vaccine
16. Name any two selective media
17. Write any two Koch's postulates
18. Louis Pasteur
19. Name any two UTI causing bacteria
20. Define disinfection
21. Name any two RNA viruses
22. Mention any two biological vectors

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