

## Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination – OCT-2019

**Time: Three Hours**

**Max. Marks: 80 Marks**

### **MICROBIOLOGY**

(RS3 – Medical Laboratory Technology, Medical Imaging Technology and Radiotherapy Technology

RS2 – Operation Theatre Technology, Cardiac Care Technology, Perfusion Technology, Renal Dialysis Technology, Respiratory Care Technology, Anaesthesia Technology and Neurosciences Technology)

**Q.P. CODE: 3155**

**(QP contains two pages)**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

### **SHORT ESSAYS (Answer any Eight)**

**8 x 5 = 40 Marks**

1. Hot air oven
2. Acid fast staining
3. Bacterial growth curve
4. Biomedical waste management
5. Bacterial cell wall
6. Laboratory diagnosis of syphilis
7. Widal test
8. Clinical manifestation of Human Immunodeficiency Virus (HIV)
9. Vaccines
10. Candidiasis

### **SHORT ANSWERS (Answer any Ten)**

**10 x 3 = 30 Marks**

11. Coagulase test
12. Universal Immunization schedule
13. Phase contrast microscope
14. Kirby Bauer Disc diffusion method
15. Selective media
16. Castaneda's biphasic medium
17. Name three infections caused by *Streptococcus pyogenes*.
18. Tuberculin test
19. Pasteurization
20. Draw neat labeled diagrams of egg of *Ascaris lumbricoides*
21. Cryptococcosis
22. List three media used in cultivation of fungi.

## Rajiv Gandhi University of Health Sciences, Karnataka

### TO THE POINT ANSWERS (Answer any Five)

5 x 2 = 10 Marks

23. Name two methods to prevent nosocomial infections.
24. Name any two antigen-antibody reactions.
25. Name two transport media.
26. Draw a neat, labeled diagram of *Aspergillus*.
27. Mention two general properties of virus.
28. Name two spore forming bacteria.
29. Name any two RNA viruses.

\*\*\*\*\*

firstRanker.com  
www.FirstRanker.com