

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. (Nursing - Basic) Degree Examination – OCT-2019

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. Describe the morphology, cultural characters and laboratory diagnosis of *C.diphtheriae*
2. Classify antigen-antibody reactions. Describe agglutination reactions
3. List malarial parasites. Describe the life cycle and laboratory diagnosis of *P.falciparum*

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

4. Bacterial growth curve
5. Antibiotic sensitivity tests
6. Innate immunity
7. Prophylaxis against poliomyelitis
8. Laboratory diagnosis of HIV infection
9. Cultivation of viruses
10. Life cycle of *E. histolytica*
11. Type I hypersensitivity
12. *Cryptococcus neoformans*
13. *C. albicans*

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

14. Tyndallisation
15. Name 4 classes of Immunoglobulins
16. Name 2 mediators of anaphylaxis
17. Name 2 differences between tuberculoid and lepromatous leprosy
18. Nosocomial infections
19. Define antibiotics.
20. Laboratory diagnosis of hepatitis B virus infection
21. Draw a neat labeled diagram *A.duodenale* (hook worm)
22. Name 2 protozoal parasites causing diarrhea
23. Mycotoxins
