

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - SEP-2017

Time: Three Hours

Max. Marks: 80 Marks

Microbiology – Paper III (RS-3 Scheme)

Q.P. CODE: 3160

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAY (Any Two)

2 x 10 = 20 Marks

1. List the antigen-antibody reactions. Describe in detail about agglutination reaction.
2. Enumerate the viruses causing hepatitis. Discuss the morphology, pathogenesis, laboratory diagnosis and prophylaxis of Hepatitis B virus.
3. Discuss the pathogenesis and laboratory diagnosis of Dermatophytes.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Cultivation of viruses
5. Discuss the pathogenesis and laboratory diagnosis of Herpes simplex virus.
6. Prophylaxis in rabies
7. Viral diarrhoeal diseases
8. Discuss pathogenesis and laboratory diagnosis of Candidiasis.
9. Zygomycosis
10. Discuss type IV hypersensitivity.
11. Cytokines

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Name three DNA viruses
13. Antigenic shift
14. Name three antiretroviral drugs.
15. Name three viral inclusion bodies.
16. Antigen presenting cells
17. Tumour antigen
18. Hapten
19. Name three antifungal agents
20. Define dimorphic fungi with two examples.
21. Classify fungi based on diseases caused.
22. Natural killer cells
23. KOH mount
