Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 02-Aug-2021

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

MICROBIOLOGY – PAPER III (RS-3)
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. Classify Picorna viruses. Describe the laboratory diagnosis and prophylaxis of Poliomyelitis.
2. Enumerate the Superficial mycosis. Explain the pathogenicity and laboratory diagnosis of dermatophytes.
3. Define and classify hypersensitivity. Describe in detail about Type I Hypersensitivity.

SHORT ESSAY (Any Six) **6 x 5 = 30 Marks**

4. Pathogenicity and laboratory diagnosis of Cryptococcus neoformans
5. Prophylaxis of Rabies
6. Classification of fungi
7. Principle and applications of Enzyme Lined Immuno Sorbent Assay (ELISA)
8. Slide culture technique
9. Viral cultivation
10. Pathogenicity and laboratory diagnosis of Pneumocystis
11. Active immunity

SHORT ANWERS (Any Ten) **10 x 3 = 30 Marks**

12. Name three auto immune diseases.
13. IgE
14. Name three viral vaccines.
15. Morphology of Penicillium
16. Reynold Braude Phenomenon
17. Name three RNA viruses.
18. List out the features of Primary immune response.
19. Dane particle
20. Name three viral haemorrhagic fevers.
21. Name three opportunistic infections seen in AIDS patient.
22. Name three Subcutaneous Mycosis.
23. Morphology of Rabies virus

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III Year B.Sc. (MLT) Degree Examination - 04-Aug-2021

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

PATHOLOGY – PAPER III (RS-3)

Q.P. CODE: 3161

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. Describe the principle and staining technique of PAP Stain.
2. Enumerate the types of structural abnormalities in chromosomes with examples.
3. Write about different components of blood and explain preparation of platelet concentrates.

SHORT ESSAY (Any Six) **6 x 5 = 30 Marks**

4. Stains used for chromosome study
5. Coomb's test
6. ABO blood group system
7. Transfusion reactions
8. Flow cytometry
9. Techniques of collection of specimen for cervical study
10. Cytological fixatives
11. Du testing and its significance

SHORT ANWERS (Any Ten) **10 x 3 = 30 Marks**

12. Cryoprecipitate
13. Identification of sex chromatin
14. Preparation of Harris haematoxylin
15. Triploidy
16. Cross matching in blood bank
17. Use of microscope
18. Maturation index
19. Name three transfusion transmitted infections.
20. Sputum examination for AFB
21. Inverted microscope
22. Bombay blood group
23. Method of collection of urine for cytology

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