

2016 Scheme

QP Code: 411019

Reg. No.....

Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary Examinations January 2025

Paper XI – Virology and Mycology

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essays

(2x15=30)

1. Discuss the morphology of Influenza virus. How are they classified. Describe the laboratory diagnosis, immunoprophylaxis and treatment.
2. Describe the different clinical manifestations, pathogenesis, Laboratory diagnosis and treatment of candida species.

Brief Essays

(2x10=20)

3. Discuss morphology, lifecycle, assay, and typing of Bacteriophages. Briefly describe about bacteriocins.
4. Enumerate fungi causing superficial mycosis. Describe in detail the laboratory diagnosis of any one of them

Short Answers

(6x5=30)

5. Discuss the methods for prevention of transmission, pathogenesis, and prophylaxis of COVID-19
6. Methods of cultivation of viruses and detection of growth in cell cultures
7. Pathogenesis, complications, and prophylaxis of Measles
8. Rhinosporidiosis
9. Pathogenesis and laboratory diagnosis of rhino-cerebral mucormycosis
10. Enumerate dimorphic fungi causing systemic infections. Describe the laboratory diagnosis of one of them

Comment on

(10x2=20)

11. What are virus inclusion bodies. Give two examples.
12. Oral polio vaccine
13. Western blot test for HIV diagnosis
14. Give four Teratogenic viruses
15. Name two enterically transmitted Hepatitis viruses
16. Morphology of mycelial form of Histoplasma capsulatum
17. Hair perforation test
18. Demonstration of cryptococcus in tissue sections
19. What is the difference between mycotoxicosis and mycetismus.
20. Penicillium (Talaromyces) marneffeii
