

2016 Scheme

QP Code: 411019

Reg. No.....

Fourth Year B.Sc. Medical Microbiology Degree Regular/Supplementary Examinations January 2026

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. Classify the viruses causing hepatitis. Describe the pathogenesis, laboratory diagnosis and prophylaxis of Hepatitis B virus
2. Explain Pneumocystis jirovecii pneumonia, write in details about morphology, pathogenesis and laboratory diagnosis in detail

Brief Essays

(2x10=20)

3. Enlist the vector borne viruses. Discuss in detail about pathogenesis and laboratory diagnosis of dengue fever
4. What are the fungi causes superficial infections, discuss pathogenesis and laboratory diagnosis of candidiasis

Short Answers

(6x5=30)

5. What are different methods for Polio prevention
6. Discuss pathogenesis and lab. Diagnosis of Rabies
7. Discuss various route of transmission of HIV, write a note on ART treatment
8. Laboratory diagnosis of cryptococcal meningitis
9. Write a note on pathogenesis and Laboratory diagnosis of Histoplasma
10. Rhinosporidiosis

Comment on

(10x2=20)

11. What are tissue culture types used for viruses isolation
12. Write two examples of oncogenic viruses
13. Name four important agent of viral gastroenteritis in India.
14. What are two viral diseases transmit through mosquito bite
15. Name two antiretroviral agents and their use in viral diseases.
16. What are two subcutaneous fungal infections
17. Morphology of Cryptococcus neoformans on India ink preparation
18. What are specimens used for diagnosis of dermatophytes infections
19. Name two dimorphic fungi
20. What are two uses for slide culture for fungi

CORRECTION / NO-CORRECTION FILE
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QPCODE: 411019

Dated: 19-01-2026

Question No.9

Corrected as "Write a note on Pathogenesis and Laboratory diagnosis of Histoplasmosis."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS