

# 2016 Scheme

QP Code: 411019

Reg. No.....

## Fourth Year B.Sc. Medical Microbiology Degree Supplementary Examinations August 2022

### 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 corona viruses. Discuss the immune pathogenesis of SARS- Co-V2 infection. Describe in detail its laboratory diagnosis
2. Define dimorphic fungi. Enumerate dimorphic fungi causing infection in humans. Describe the pathogenesis and lab diagnosis of histoplasmosis.

#### Brief Essays

(2x10=20)

3. Enumerate the infections spread through blood and blood products. Draw and label the structure of Hepatitis B virus and describe briefly the pathogenesis, laboratory diagnosis and prophylaxis of Hepatitis B.
4. Discuss the aetiology, pathogenesis and lab diagnosis of mycotic mycetoma.

#### Short Answers

(6x5=30)

5. Dengue haemorrhagic fever.
6. Viral infections of the eye.
7. Superficial mycoses.
8. Cryptococcus neoformans.
9. Zygomycosis.
10. Rabies vaccines.

#### Comment on

(10x2=20)

11. Enumerate four culture media to grow fungus.
12. Candida auris.
13. Rhinosporidium seeberi.
14. Id reaction.
15. Methods of isolation of virus.
16. Zoonotic paramyxoviruses.
17. Human Papilloma virus vaccines.
18. Hair perforation test.
19. Molluscum contagiosum.
20. Cytopathic effect.

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