

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY), PUNE, INDIA
M. Sc. (MEDICAL MICROBIOLOGY) : SUMMER – 2022
SUBJECT : PAPER – III
(VIROLOGY & MYCOLOGY)

Day : *Wednesday*
Date : *06-07-2022*

Time : *1:30 P.M. TO 4:30 P.M.*
Max. Marks : 100

8-724-2022

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.

Q. 1 Enumerate viruses transmitted by Blood transfusion. Describe pathogenesis and clinical manifestations of HIV infection. Add a note on the laboratory diagnosis of the infection. **(15)**

Q. 2 Classify fungi. Discuss opportunistic fungal infections and describe mucormycosis in detail. **(15)**

Q. 3 Write briefly **ANY SEVEN** of the following: **(70)**

- a) Enumerate viruses causing encephalitis. Describe the laboratory diagnosis of Rabies.
- b) Describe pathogenesis, clinical manifestation and lab diagnosis of COVID-19.
- c) Enumerate various methods of cultivation of viruses. Describe in detail egg inoculation method and its applications.
- d) Discuss superficial surface fungal infections.
- e) Describe Prion diseases.
- f) Describe pathogenesis and laboratory diagnosis of Aspergillosis.
- g) Describe the pathogenicity and laboratory diagnosis of Varicella zoster virus.
- h) Describe the media used and methods for cultivation of Fungi.

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