

M.Sc. (MEDICAL MICROBIOLOGY): Winter-2021
SUBJECT : PAPER – III : MYCOLOGY AND VIROLOGY

Day : Friday
Date : 17-12-2021

W-2021-794

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

N.B.

- 1) Q.No. 1 and Q.No. 2 are **COMPULSORY**.
- 2) Attempt **ANY SEVEN** questions from **Q.No. 3 and Q.No. 10**.
- 3) Figures to the **RIGHT** indicate **FULL** marks.
- 4) Draw neat and labeled diagram **WHEREVER** necessary.

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- Q.1** Enumerate systemic fungal infections and describe Cryptococcosis in detail. (15)
 - Q.2** Enumerate transfusion associated viral infections and describe the laboratory diagnosis of Hepatitis B infection. Add a note on Hepatitis B vaccines. (15)
 - Q.3** Classify fungi based on their morphology with relevant examples. Describe superficial surface mycotic infections. (10)
 - Q.4** Describe the different strategies used for HIV testing. Add a note on its post exposure prophylaxis. (10)
 - Q.5** Describe the different culture media used to grow medically important fungi. Add a note on slide culture technique. (10)
 - Q.6** Describe tissue cultures used for viral isolation and the methods used for detection of viral growth in cell cultures. (10)
 - Q.7** Describe the pathogenicity and laboratory diagnosis of Candida albicans. (10)
 - Q.8** Describe vaccines used for prophylaxis of Polio with their advantages and disadvantages. Add a note on the pulse polio programme. (10)
 - Q.9** Enumerate subcutaneous fungal infections. Write about mycotic mycetoma. (10)
 - Q.10** Classify Herpes Viruses. Describe Varicella zoster virus. (10)
