

MASTER OF SCIENCE (MICROBIOLOGY) (CBCS - 2018 COURSE)
M.Sc. (Microbiology) Sem-IV : WINTER- 2022
SUBJECT : MEDICAL MICROBIOLOGY

Day : Thursday

Time : 02:00 PM-05:00 PM

Date : 29-12-2022

W-18601-2022

Max. Marks : 60

N.B.

- 1) All Questions are **COMPULSORY**.
 - 2) All questions carry **EQUAL** marks.
 - 3) Figures to the right indicate **FULL** marks.
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Q.1 Give the causative agent, characteristics, transmission, pathogenesis, host colonization and clinical syndrome of Aspergillosis. **(15)**

OR

Give the causative agent, morphology, pathogenesis, host immunity, laboratory diagnosis and treatment of Herpes.

Q.2 a) Explain interaction of poliovirus with immunoglobulin like receptor. **(08)**

b) Explain the molecular interaction between human rhinovirus and the adhesion receptor ICAM-1 **(07)**

Q.3 Answer **any THREE** the following. **(15)**

a) Explain hospital acquired infection and its control.

b) Describe laboratory diagnosis and treatment gonorrhoea

c) Discuss the causes of pyrexia

d) Explain symptoms and causes of sepsis

Q.4 Write a short note on **any THREE** **(15)**

a) Nursing precautions

b) Prevention and treatment of Cholera

c) Quorum sensing

d) Types of Influenza virus

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