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

Day : Thursday

Time : 02:00 PM-05:00 PM

Date : 29-12-2022

**W-25440-2022**

Max. Marks : 60

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**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 (15) colonization and clinical syndrome of Aspergillosis.

**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 (07) receptor ICAM-1

**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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