

Seat No. : \_\_\_\_\_

# FF-121

February-2025

B.Sc., Sem.-I (NEP)

DSC-M-MIC-113T : Microbiology

(History and Development of Microbiology)

Time : 1:00 Hour]

[Max. Marks : 25

- Instructions :**
- (1) All questions are compulsory.
  - (2) Figures on the right indicate marks.
  - (3) Mention correct question number against the answer.
  - (4) Draw figures wherever necessary.

1. Explain the theory of spontaneous generation vs. biogenesis. **10**

**OR**

1. (A) Define germ theory of disease and discuss about Koch's postulates. **5**  
(B) Write short note on : The birth of Modern Chemotherapy. **5**

2. Discuss about One gene - One enzyme theory. **10**

**OR**

2. (A) Enlist various applied areas of Microbiology and describe any three. **5**  
(B) Describe contribution of Frederick Griffith in Molecular biology. **5**

3. Give short and specific answers in **1-2** lines only : (any **five** out of **six**) **5**

- (1) Give contribution of scientist Joseph Lister.
  - (2) Who is known as the father of Chemotherapy ?
  - (3) Define animalcules.
  - (4) Write a full form of TMV.
  - (5) Which bacterium was studied by Frederick Griffith ?
  - (6) Who is the father of Soil Microbiology ?
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