

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 ?