

Seat No. : _____

MJ-223

May-2025

B.Sc., Sem.-II

MDC-MIC-124 T : Microbiology (Vedic Microbiology & Bacterial Culture)

Time : 1:00 Hour]

[Max. Marks : 25

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

1. Give contribution of Rishi – Kanva, Sushruta and Charak. **10**

OR

1. (A) Describe the occurrence of krimis in milk, whey and food. **5**
(B) Discuss the method of counting the number of krimis. **5**

2. Discuss differential staining in detail. **10**

OR

2. (A) Enlist different bacterial surface appendages and explain pili and fimbriae. **5**
(B) Write a note on bacterial endospore. **5**

3. Give short and specific answers in 1 – 2 lines only. (Any **Five** out of six) **5**

- (1) Define psychrophiles.
- (2) Name two organisms present in contaminated water.
- (3) Name any one thermophile.
- (4) Give one difference between prostheca and stalk.
- (5) Define capsule.
- (6) Give role of mesosomes.