

Micro Biology (P.G.)**[CBCS]****M.Sc. First Semester End Examination-2023****(Regular & Supplementary Paper)****PAPER- MCB-105****Practical****Full Marks: 50****Time: 04 Hrs***The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.**Illustrate the answers wherever necessary.***Group A****Full Marks 25**

1. Estimate the growth curve of supplied Bacterial culture (A).
Calculate the generation time.
[Principle-3 + Procedure-2 + Result and comment-4] 9
2. Identify the specimen of three sample with identifying character -
1 comment -1 3x2
3. Viva Voce 5
4. Lab note book 5

Group B**Full Marks 25**

1. (a) Perform the Endospore staining of the supplied culture.
[Principle-2 + Procedure-10 + Result and comment-3] 15

Or

(2)

(b) Represent the sugar utilization of the supplied culture.

[Principle-2 + Procedure-10 + Result and comment-3]	15
2. Viva Voce	5
3. Lab note book	5

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