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RNLKWC/M.Sc.-CBCS/IS/MCB/P.G.105P/22

2022

**Microbiology**

[P.G.]

(CBCS)

**(M.Sc. First Semester Practical End Examinations-2022)**

**PAPER-105P**

**[Staining and identification, biochemical test and  
microbial growth]**

*Full Marks: 50*

*Time: 3 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**

**(MCB-105A)**

**[Marks – 25]**

1. Enumerate the aerobic bacterial load in supplied soil sample.  
[Principle-3, Procedure-3, Result=3, Comments-2] 11
2. Study the identifying character of supplied slide 2+2
3. Viva voce 5
4. Laboratory note book 5

(2)

**Group B**  
**(MCB-105B)**  
**[Marks – 25]**

1. Study the growth kinetics of the supplied bacteria and plot the growth curve  
[Principle -2, Procedure-2, Result-5, Comment-1] 10
  2. Perform the staining technique to identify the endospore of supplied bacterial culture (Drawing – 3, Comment – 2) 5
  3. Viva-voce 5
  4. Laboratory Note book 5
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