

U.G. 3rd Semester Examination - 2021**MICROBIOLOGY****[HONOURS]****Course Code : MB-H-CC-P-05****(Microbial Diversity and Systematics)****[PRACTICAL]**

Full Marks : 20

Time : 2 Hours

*The figures in the right-hand margin indicate marks.*Answer any **two** from the following: $10 \times 2 = 20$

1. Describe the basic principle and steps in Gram staining. 5+5
 2. Write the principle and steps of pour plate method of isolation of pure culture of bacteria. 5+5
 3. Define aerosol. What is the principle of HEPA filter? Describe the different techniques of air sampling methods. 5+5
 4. Describe the basic working principle of autoclave. Differentiate between dry and moist heat sterilization. 5+5
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