

**U.G. 5th Semester Examination - 2021****Microbiology****[HONOURS]****Course Code : MB(H)/CC-11/PR****[PRACTICAL]****(Medical Microbiology)**

Full Marks : 20

Time : 2 Hours

*The figures in the right-hand margin indicate marks.*

1. Write down the basic principle underlying determination of antibacterial sensitivity by Agar Cup method. Briefly describe the experimental methodology. 5+5

**OR**

Write the various cultural, morphological and biochemical characteristics of the *Staphylococcus* and *Pseudomonas*. 5+5

2. Write down the basic principle underlying determination of Minimum Inhibitory Concentration (MIC). Briefly describe the mechanism of action of the antibiotics Tetracyclin and Kanamycin. 6+4

**OR**

What is phenol coefficient? Briefly describe the experimental methodology of determination of phenol coefficient of a disinfectant. 5+5

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