

**Microbiology****[NEP]****B.Sc. Third Semester End Examination-2024****PAPER-MCB SEC-301T****[Microbial quality control in Food and Pharmaceutical Industries]****Full Marks: 20****Time: 01 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****Answer any FIVE questions of the following:****5x2= 10**

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|---|-----|
| 1) What is disinfection? Give example.                | 1+1 |
| 2) What is meant by chemotherapy agent? Give example. | 1+1 |
| 3) Differentiate between germicide and Disinfection.  | 2   |
| 4) What is HACCP?                                     | 2   |
| 5) What are biosensors?                               | 2   |
| 6) What is LAL test?                                  | 2   |
| 7) Write the principle of COB test.                   | 2   |
| 8) State the differences between BSL-1 and BSL-2.     | 2   |

**Group B****Answer any ONE question of the following:****1x10 = 10**

1. State the term MBRT. Write down its principle.

(2)

What is phenol co-efficient? How do you perform/ measure phenol co-efficient in your laboratory of a supplied chemical Dettol. (2+3)+5

2. Write down the different types of disinfection with their mode of action.

Identify three major food borne pathogens and describe their impact on public health. 5+(2+3)

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