

Total Pages-02

RNLKWC/B.Sc.-CBCS/IIIS/NUT/H/C5T/22

**2022**

**Nutrition**

**[HONOURS]**

**(CBCS)**

**(B.Sc. Third Semester End Examination-2022)**

**PAPER-C5T**

*Full Marks: 40*

*Time: 02 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**

- |   |               |
|---|---------------|
| <b>1. Answer any five questions of the following:</b>               | <b>5x2=10</b> |
| a) What do you mean nosocomial infection?                           | 2             |
| b) Which foods are a source of Probiotics?                          | 2             |
| c) Name any two food spoilage related fungus.                       | 2             |
| d) What do you mean by bacteriostatic agent and bactericidal agent? | 2             |
| e) Define antibiotics with example.                                 | 2             |
| f) What is biofilm with example?                                    | 2             |
| g) Which pathogen is responsible for tuberculosis disease?          | 2             |
| h) What do you mean by total count and viable count?                | 2.            |

(2)

**Group-B**

2. Answer any four questions of the following: **4x5 = 20**
- a) Briefly describe the different types of microflora present in skin. **5**
  - b) Briefly describe the gram positive and gram negative structure of bacterial cell wall. **5**
  - c) Discuss the extrinsic factors affecting the microbial growth in food. **5**
  - d) Briefly discuss the bacterial growth curve. **5**
  - e) What are the beneficial effects of microorganisms? **5**
  - f) State the characteristics of probiotic bacteria. **4+1**

**Group -C**

3. Answer any one question: **1x10 = 10**
- a) i) Briefly discuss the classification of media on the basis of function.
  - ii) Write a short note on chemical method of disinfection. **5+5**
  - b) i) Briefly discuss the major field of applied microbiology.
  - ii) Write a short note on:
    - Viroids
    - Prions
- $5+2\frac{1}{2}+2\frac{1}{2}$**