

2021

Nutrition (Hons)

[Third Semester]

Paper - C5T

Full Marks : 40

Time : 2 hours

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.

1. Answer any five from the following. **5×2=10**

- (a) Define convalescent carrier.
- (b) What do you mean by semi solid media?
- (c) What is biofilm with example?
- (c) What do you mean by 'opportunistic infection'?
- (e) Difference between endotoxin and exotoxin.

(Turn Over)

(2)

- (f) What do you mean by probiotics?
- (g) What do you mean by antibiotics with example?
- (h) Write one example for each of gram positive and gram negative bacteria.

2. Answer any four from the following : 4×5=20

- a) (i) What do you mean by isolation process of microbes?
(ii) Briefly discuss the plate method of isolation. 1+4
- b) (i) Which organisms is responsible for tetanus?
(ii) Write the major symptoms of tetanus. 1+4
- c) (i) What are the primary sources of microbial contamination of food?
(ii) Briefly discuss the mechanism of contamination.
2+3
- d) (i) Differences between gram positive and gram negative bacteria.
(ii) Classify bacteria on the basis of Flagellar composition with example.
(iii) What is 'Nosocomial infection' 2+2+1

(3)

- e) (i) Give the classification of fermented foods based on food groups.
- (ii) What do you mean by 'Virulence'? 4+1
- f) (a) Write the classification of antibiotics?
- (b) Briefly discuss mode of action of any two antibiotics. 3+2

3. Answer any one from the following : 1×10

- (a) (i) Distinguish between antibiotic assay and sensitivity test.
- (ii) What are the different types of bacteria found in fermented foods?
- (iii) Write the symptoms of leptospirosis and HERs disease. 3+3+4
- (b) (i) Write any two intrinsic factors those affect the microbial growth.
- (ii) Briefly describe the different types of microflora present in skin.
- (iii) Write a short note on incineration and hot air oven sterilization. [2+4(2+2)]

B.Sc. RNLK-/Nutrition/C5T/21