

2019

B.Sc. (Hons.)

4th Semester Examination

NUTRITION

Paper—C9T

Full Marks : 40

Time : 2 Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

1. Answer any *five* questions of the following :

5×2=10

- (a) Write the full form of GMP and HACCP.
- (b) Define probiotics with example ?
- (c) Write the name of any two water borne disease and mention the name of causative bacteria.
- (d) What is listeriosis ?
- (e) What do you mean by CFU ?
- (f) Distinguish sterilization and disinfection.

[Turn Over]

- (g) What do you mean by water activity ?
- (h) What do you mean by phototrophic bacteria—
give any one example.

2. Answer any *four* questions out of the following :
4×5=20

- (a) Describe briefly about the bacterial growth curve.
- (b) Write any two methods of bacteria isolation in short. State different types of media used in laboratory for bacterial culture. 3+2
- (c) What do you mean by botulism ? Write the mode of bacterial transmission in shigellosis. 2+3
- (d) What do you mean by aflatoxin intoxication ? Write the importance of inclusion of fermented product in daily diet. 1+4
- (e) Discuss the different methods of solid waste disposal.
- (f) Write the working principle of autoclave. How does micro organism cause spoilage of meat and meat products ? 2+3

3. Answer any *one* questions out the following :

10×1=10

- (a) How do you manage the safety of household foods ? Write 7 principles of HACCP. 5+5
- (b) Discuss the role of probiotics and prebiotics in the maintenance of good health. Discuss the factors affecting spoilage of canned foods.

7+3
