

U.G. 5th Semester Examination - 2021**FOOD & NUTRITION****[HONOURS]****Course Code : F&N-H-CC-T-12**

Full Marks : 40

Time : 2½ 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.*1. Answer any **five** questions from the following:

2×5=10

- a) What are prions? Who discovered it?
- b) What are opportunistic bacteria?
- c) Name two disease causing RNA viruses.
- d) What is prophage?
- e) What do you mean by 'bacteriostatic antibiotics'?
- f) What is pili?
- g) What is the significance of peptidoglycans?
- h) What are antineoplastic agents?

2. Answer any **two** questions:

5×2=10

- a) What do you mean by virulence? Discuss the relationship between virulence and pathogenicity.

- b) Discuss the 'Baltimore classification of viruses'.
- c) Compare the methods used to diagnose typhoid and tuberculosis.
- d) Describe the types of skin flora.

3. Answer any **two** questions:

10×2=20

- a) How does gut flora beneficial for the organism? Distinguish between horizontal and vertical disease transmission. 5+5
- b) Compare the replication of RNA and reverse transcribing virus. What do you mean by 'normal microbiota'? 8+2
- c) Write the pathogenesis and preventive measure of cholera disease. What are the symptoms of Rabies? 8+2
- d) What is the need of Antibiotic Sensitivity Assay in medical science? Write the mode of action of a bactericidal antibiotic. 4+6

[Turn Over]