WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 6th Semester Examination, 2022

FNTACOR13T-FOOD AND NUTRITION (CC13)

FOOD PROCESSING AND FOOD TECHNOLOGY

Time Allotted: 2 Hours   Full Marks: 40

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.

Answer any *four* questions from the following   10×4 = 40

1.	Write down the basic principles of food preservation. Define shelf life. Differentiate between perishable and non-perishable foods with examples.	3+2+5
2.	What is food infection? How does it differ from food intoxication? Discuss two food intoxicants with examples.	2+2+3+3
3.	Write a short note on cold sterilization. How does it differ from heat sterilization? Which type of foods are suitable for cold sterilization?	4+3+3
4.	Write down the importance and application of evaporation in food industry. Briefly discuss the drying of milk.	5+5
5.	What do you mean by core temperature? Discuss the principle of freezing and describe the changes in food during freezing. Write down the differences between ice cream and kulfi.	2+(3+2)+3
6.	What is thawing? Describe the changes in food during thawing. What is IQF?	3+4+3
7.	Mention the principle of high temperature processing. Which type of dryer is used in peas processing? Describe the utility of sun drying. Name two sun dried products.	3+2+3+2
8.	How do you classify foods based on pH (with examples)? Explain orange squash preparation. Differentiate between Jam and Jelly.	3+4+3
9.	Define precisely the drying curve of a food sample. Name the conventional dryer used in fish processing.	8+2

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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