



**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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