



19101738

**QP CODE: 19101738**

**Reg No** : .....

**Name** : .....

**B.Sc. DEGREE (CBCS) EXAMINATION, MAY 2019**

**Second Semester**

B.Sc Food Science & Quality Control Model III

Core Course - **FS2CRT05 - FOOD PRESERVATION**

2017 ADMISSION ONWARDS

B396A119

**Maximum Marks: 80**

**Time: 3 Hours**

**Part A**

Answer any **ten** questions.

Each question carries **2** marks.

1. State any two bacteriostatic method of food preservation
2. What do you mean by canning?
3. What are the changes that occur in food during cold storage ?
4. Write on the type of driers used in food preservation
5. What are the benefits of freeze drying?
6. Define Preservative and its role in preservation
7. Explain the three types of chemical preservatives
8. Write two permitted preservatives which are used in fruit products?
9. Difference between candied fruit and crystallized fruit.
10. Describe the steps involved in the preparation of chutney.
11. What is Rad and Gray?
12. What are the properties of microwaves?

(10×2=20)

**Part B**

Answer any **six** questions.

Each question carries **5** marks.

13. Explain in detail the importance of food preservation.
14. What is sterilization? Write its purpose and its types.





15. Refrigerated storage result changes in food. Comment
16. Give the methods to remove moisture content and mention the advantages of moisture removal in food.
17. Write the advantages of dehydration over sun drying
18. Explain high pressure processing (HPP) and its applications
19. Construct a flow chart and explain the preparation of jam.
20. Explain fermentation process and its types
21. Explain the preparation of beer.

(6×5=30)

### Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Compare the different methods of pasteurization. Explain
23. Explain dehydrofreezing with mechanism and the factors which affect the quality of dehydrated foods.
24. Explain the principles, working and list out the applications, advantages and disadvantages of ohmic heating.
25. Define a pulse and explain the working and principle of a pulse electric field.

(2×15=30)

