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Reg. No. :

Name :

Fourth Semester B.Sc. Degree Examination, MAY 2021

Career Related First Degree Programme under CBCSS

Group 2(a) : Biochemistry and Industrial Microbiology

Vocational Course VI

IM 1472 – FOOD MICROBIOLOGY

(2015-2018 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer all questions. Answer in a word to a maximum of two sentences. Each question carries 1 mark.

1. What is fermentation?
2. Define "Asepsis".
3. What is putrefaction?
4. Give importance of Rigor mortis.
5. What is the source of mycotoxin?
6. Why pasteurization is an important process?

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7. Give expansion of ETEC.
8. What is osmophilic organism?
9. What is blanching?
10. Why called Baker's yeast?

(10 × 1 = 10 Marks)

SECTION – B

Answer **eight** questions Answer not to exceed **one** paragraph. Each question carries **2** marks.

Comments on :

11. Drying.
12. Importance of microorganism in food.
13. Canning.
14. Preservatives incorporated in ice.
15. Quality control.
16. Principles of spoilage.
17. Chilling.
18. Freezing.
19. Fungal rotting.
20. Food preservation using high pressure.
21. Primary source of contamination.
22. Sodium benzoate.

(8 × 2 = 16 Marks)

SECTION – C

Answer any six questions, Answer not to exceed 120 words. Each question carries 4 marks.

23. Discuss the Sauerkraut
24. Give cheese production protocol.
25. How will you detect the meat spoilage?
26. Discuss the pigmented bacteria in food.
27. List out the sources of contamination
28. Discuss the relationship between food spoilage and water activity.
29. Write the difference between food borne infections and intoxication.
30. What are major bacterial agents to spoilage in foods?
31. Explain about HACCP.

(6 × 4 = 24 Marks)

SECTION – D

Answer any two questions. Each question carries 15 marks.

32. Explain in detail about single cell protein.
33. Discuss in detail about the factors influencing microbial growth.
34. Give a detailed account on wine production.
35. Write an essay on principles and methods of food preservation.

(2 × 15 = 30 Marks)