

8/2 4-10

TM243171S

Reg. No :

Name :

P.G DIPLOMA (C.S.S) EXAMINATION, NOVEMBER 2024
~~2023 ADMISSIONS REGULAR AND~~ 2020, 2021, 2022 ADMISSIONS SUPPLEMENTARY
SEMESTER III - CORE COURSE Clinical Nutrition And Dietetics
CN3C10TPGD20 - Food Microbiology and Quality Control

Time : 3 Hours

Maximum Weight : 30

Part A

I. Answer any Eight questions. Each question carries 1 weight

(8x1=8)

1. Elaborate on spontaneous generation.
2. Discuss the difference between immunodiffusion and immunoelectrophoresis.
3. Discuss the medias used based on nutritional component.
4. Discuss on souring in milk.
5. Write a note on food infection.
6. Discuss on food contamination.
7. Describe food standards.
8. Explain the different categories of pasteurization.
9. Explain the preventive measures to control microbial action during storage.
10. Discuss on gas packaging.

Part B

II. Answer any Six questions. Each question carries 2 weight

(6x2=12)

11. Discuss on the phases of yeast growth.
12. Explain Etest and agar dilution test.
13. Write a note on the factors causing growth of microorganisms in fish.
14. Discuss on salmonellosis.
15. Discuss scombroid poisoning.
16. Define the types, purposes and microbiological criteria for foods.
17. Discuss the role of natural antimicrobial compounds in food preservation.
18. What is the relevance of food safety measures in railways and airlines?

Part C

III. Answer any Two questions. Each question carries 5 weight

(2x5=10)

19. Explain morphology of fungi and its types.
20. Describe the effect of microorganisms on vegetables and fruits.
21. Define HACCP. Discuss the principles of HACCP with an example.
22. Describe different types of infectants used in food service establishments.

