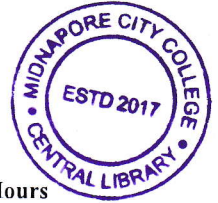


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PG (CBCS)
M.Sc. Semester- III Examination, 2023
FOOD SCIENCE AND NUTRITION
PAPER: FSN 304 (CBCS)
(FOOD HYGIENE AND SANITATION)



Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.
 Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

- A. Answer any **FOUR** of the following questions: 4×2=8
1. Define personal hygiene.
 2. What is CIP and COP?
 3. Write down the role of desiccators in organism control.
 4. What is biofilm?
 5. Name some extraneous materials in food.
 6. Define action and injury threshold.

GROUP-B

- B. Answer any **FOUR** of the following questions: 4×4=16
7. "Microorganism acts sanitary quality indicator"-justify the statement.
 8. What is clean technology? Write the uses of clean technology in India. 1+3
 9. What are the major steps adopted to maintain effective sanitary quality in a food plant?
 10. Classify detergent in brief.
 11. Write about the different methods of sanitary waste disposal.
 12. Describe the process of water purification in large scale.

GROUP-C

- C. Answer any **TWO** of the following questions: 2×8=16
13. Write the uses of heat on control of microorganisms. Mention the uses of any two chemicals on control of microorganisms. 4+4=8
 14. What is autoclaving? Write the principle of autoclaving. Mention the uses of autoclaving. 1+4+3
 15. Write about the basic principle of pest control. How do you evaluate effectiveness of pest control process? 4+4=8
 16. Write the basic principle of HACCP. Mention the process of maintaining commercial kitchen hygiene. 4+4=8
