

PG CBCS
M.Sc. Semester-I Examination, 2023
NUTRITION & DIETETICS
PAPER: NUD 104
(FOOD HYGIENE AND SANITATION & FOOD TOXICOLOGY, FOOD LAWS
AND FOOD SAFETY)

Full Marks: 40

Time: 2 Hours

Write the answer for each unit in separate Answer Sheet

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.

UNIT-7
FOOD HYGIENE AND SANITATION

GROUP-A

Answer any TWO of the following questions: 2×2=4

1. Define personal hygiene.
2. What is CIP and COP
3. What are chemical sanitizers?
4. Define action and injury threshold.

GROUP-B

Answer any TWO of the following questions: 4×2=8

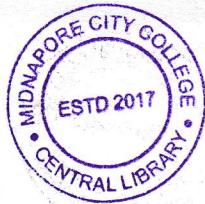
5. What are fecal indicator bacteria? Write the uses of fecal indicator bacteria for assessing sanitary quality. 1+3
6. What is clean technology? Write the uses of clean technology in India. 1+3
7. Differentiate between sterilization and disinfection.
8. Describe the process of water purification in large scale.

GROUP-C

Answer any ONE of the following questions: 8×1=8

9. Write the uses of heat on control of microorganisms. Mention the uses of any two chemicals on control of microorganisms. 4+4
10. Write about the basic principle of pest control. How do you evaluate effectiveness of pest control process? 4+4

(P.T.O.)



UNIT- 8
FOOD TOXICOLOGY AND FOOD SAFETY

GROUP-A

Answer any **TWO** of the following questions: **2×2=4**

1. What do you mean by carcinogen?
2. Define 'NOAEL'?
3. What are mutagens? Give some examples of mutagens.
4. Write the full form BIS and FSSAI.

GROUP-B

Answer any **TWO** of the following questions: **4×2=8**

5. What is the significance of nutritional facts level on packed food from the angle of quality control assessment of food?
6. How will you check the cytotoxicity of a cell? Mention any two methods for cytotoxicity detection.
7. State the toxic effect of PSP and DSP.
8. Explain about the adverse effect of pesticide contamination on human.

2+1+1

GROUP-C

Answer any **ONE** of the following questions: **8×1=8**

9. Draw the experimental design which will used to assess the toxicity on vivo model. Write a short note about mushroom poisoning. **3+5**
10. Discuss about the natural toxins presents in potato, grapes and lobster. How do you assess the presence of mushroom toxin? What is the consequence of aflatoxin on DNA damage? **3+2.5+2.5**
