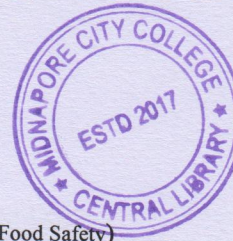


PG (NEW) CBCS
M.Sc. Semester-I Examination, 2019
NUTRITION & DIETETICS
PAPER: NUD-104

(Food Hygiene and Sanitation & Food Toxicology, Food laws and Food Safety)

Full Marks: 40

Time: 2 Hours



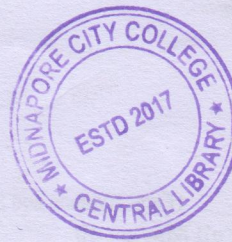
Write the answer for each unit in separate sheet

Unit-7

(Food Hygiene and Sanitation)

- 1. Answer any two of the following questions:** **2×2=4**
- a) What do you mean by portable water?
 - b) What is asepsis?
 - c) State two vital sources of water contamination.
 - d) Define chlorination of water.
- 2. Answer any two of the following questions:** **2×4=8**
- a) Briefly discuss the role of pesticides for induction of reproductive toxicity.
 - b) Write the basic steps adopted to maintain kitchen hygiene.
 - c) Explain the quality assessment of drinking water from microbiological aspect.
 - d) What do you mean by disinfection? Give one example of chemical disinfectant mentioning its mode of action and biological application.
- 3. Answer any one of the following questions:** **1×8=8**
- a) i. What do you mean by HACCP? **2+4+2**
 - ii. Discuss about water purification in special reference to filtration.
 - iii. How will an individual maintain his/her personal hygiene to prevent contaminating disease?
 - b) i. Define biomedical and E- waste. **2+4+2**
 - ii. Briefly discuss about two important waste disposal (NSW) technique in special reference to composting and recycling.
 - iii. State the basic principle and biological application of 'Autoclaving'.

(Turn Over)



(2)

Unit- 8**(Food Toxicology and Food Safety)**

- 1. Answer any two of the following questions:** 2×2=4
- a) What do you mean by biogenic amines?
- b) Define IC50.
- c) What do you mean by pesticide residue? Give example.
- d) What do you mean by paralytic shell fish poisoning?
- 2. Answer any two of the following questions:** 2×4=8
- a) i. Define LD50.
- ii. What are the basic indicators of toxicity assessment of a food ingredient? 1+3
- b) i. What do you mean by hemagglutinins?
- ii. Write the antinutritional effect of trypsin inhibitors. 2+2
- c) i. How people are exposed to lead toxicity?
- ii. Write the complications of chronic Lead toxicity. 1+3
- d) i. Write the significance of HACCP.
- ii. What do you mean by aflatoxin? 2+2
- 3. Answer any one of the following questions:** 1×8=8
- a) i. Write the mechanism of action of staphylococcal food poisoning.
- ii. Write the different methods of pasteurization.
- iii. Define food borne intoxication. 4+3+1
- b) i. What do you mean by organochlorine and organophosphorus pesticides?
- ii. Write the toxic effect of pesticide residue on environment.
- iii. What do mean by mycotoxins? 2+4+2
