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PG CBCS
M.Sc. Semester-IV Examination, 2021
FOOD SCIENCE & NUTRITION
 PAPER: FSN 401
 (GENETICALLY MODIFIED FOODS, FOOD FORTIFICATION AND FOOD
 TOXICOLOGY)

Full Marks: 40**Time: 2 Hours****Answer any FOUR questions:****10X4=40**

1. What is third generation GM food? State your view whether food fortification is possible by GM food? Describe the major health and safety concern on GM food? Define CAC. **2+2+5+1**
2. What is molecular farming? Write the name of different technology used in GM food preparation? Describe the process of the development of cold resistant tomatoes. **2+2+6**
3. Define Hidden Hunger. Mention the name of common food vehicle that are used in food fortification. Write the importance of targeted food fortification in community health up gradation. **2+3+5**
4. Mention the name of four naturally occurring plant toxin and explain their toxicity in human health. Define LD50 and TD50. **8+2**
5. Write down different methods used to detect food toxin. State the toxic effect of monosodium glutamate and sodium benzoate. **6+4**
6. What is Afla-toxin? Mention the different sources of Afla-toxin. Write down the toxic effect of Afla-toxin. **2+3+5**
7. Explain the poisonous effect of PSP, DSP and ASP. What do you mean by carcinogen? **9+1**
8. What are biogenic amines? Explain the health hazards due to lead and mercury toxicity. **4+6**
