



**WEST BENGAL STATE UNIVERSITY**  
B.Sc. Honours 5th Semester Examination, 2020, held in 2021  
**FNTADSE03T-FOOD AND NUTRITION (DSE1/2)**  
**FOOD BORNE DISEASES AND FOOD TOXICOLOGY**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.  
Candidates should answer in their own words and adhere to the word limit as practicable.  
All symbols are of usual significance.*

**Answer any four questions**

10×4 = 40

**All parts of a question should preferably be answered together**

1. What do you understand by the terms Sanitation and Hygiene? Explain with suitable examples. 10
2. Explain the molecular mechanism of any food borne disease of your choice. 10
3. Distinguish between (i) foodborne infection and foodborne intoxication. (ii) endotoxins and exotoxins. 5+5
4. What is Lactose Intolerance? How does it take place? Give examples of food borne intoxicants. 4+4+2
5. What is hazard? What are its different forms? Explain with suitable examples. 3+3+4
6. What is HACCP? Explain its principles. 4+6
7. Explain the Terms: GMP and GHP. 5+5
8. Write notes on (i) Use of preservatives (ii) Significance of personal hygiene with special reference to food handling. 5+5
9. What are the leading causes of food-borne disease? Explain with suitable examples. Write a note on factors affecting food safety. (3+2)+5

**N.B. :** *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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