

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2023

B.Tech-VII

VII Semester (CSE/IT/ECE/CE)

COURSE CODE(CREDITS): 19B1WBT732 (3)

MAX. MARKS: 15

COURSE NAME: Food Nutrition & Health Care

COURSE INSTRUCTORS: Dr. Udayabanu, M.

MAX. TIME: 1 Hour

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**Note:** (a) All questions are compulsory.

(b) Marks are indicated against each question in square brackets.

(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

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1. How would you classify carbohydrates based on number of carbons and number of carbohydrate units? Give examples where ever required. [3 Marks]
2. Insoluble fibers are essential for health and body function. Justify [2 Marks]
3. Describe the function of insulin. How insulin regulates blood glucose. [2 Marks]
4. Name four artificial sweeteners [2 Marks]
5. You are given with four fatty acids Saturated C14, Saturated C16, Monounsaturated C18, Poly unsaturated C18. Based on their melting points try to sort them with increasing order, with lowest as number one and highest as number four. [2 Marks]
6. Why unsaturated fatty acids deteriorate faster and have a shorter shelf life? [2 Marks]
7. What are high density lipoprotein (HDL) and low density lipoprotein (LDL)? [2 Marks]