

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) A.B.M.

Semester	: VI (New)	Term	: Second	Academic Year	: 2022-23
Course No.	: FSHN 361	Title	: Food Science and Human Nutrition		
Credits	: 2 (1+1)				
Day & Date	: Wednesday, 05.07.2023	Time	: 14:00 to 16:00 hrs.	Total Marks	: 40

- Note :
1. Solve ANY EIGHT questions from SECTION 'A'.
 2. All questions from SECTION 'B' are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagram wherever necessary.

SECTION 'A'

- Q.1 Describe in brief about the food composition.
- Q.2 Define the term carbohydrates and enlist their functions.
- Q.3 What is food processing? Write the methods for processing of food.
- Q.4 Give the classification of carbohydrates with suitable examples.
- Q.5 Enlist different causes of nutritional deficiency. Write in brief about protein energy malnutrition.
- Q.6 Define protein and give the functions of protein.
- Q.7 Define food microbiology. Describe in detail about the nature of spoilage of fresh and processed food.
- Q.8 Define glycolysis and explain its pathway.
- Q.9 Write in brief about recommended dietary allowance.
- Q.10 Write short notes on:
- a) Nutraceuticals
 - b) Phase change

SECTION 'B'

- Q.11 Define the following terms:
- 1) Density
 - 2) Food Science
 - 3) Osmosis
 - 4) Bacteria
- Q.12 State True or False:
- 1) Fats do not provide energy to our body.
 - 2) Carbohydrates give us energy.
 - 3) Milk, eggs, pulses and fish are good sources of protein.
 - 4) Fats keep our body warm.

