

(DFN 01)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Food and Nutritional Science
FUNDAMENTALS OF FOOD AND NUTRITION
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Define Malnutrition and explain what are empty calories and balanced diet.
(b) Write an account on RDA of ICMR and WHO, their uses and limitations.
2. (a) Define fats, their composition, requirements and biological functions.
(b) Describe the sources of proteins, their effects and functions.
3. (a) Describe the fat soluble vitamins, their sources and functions.
(b) Write an account on the water soluble vitamins, their deficiency diseases and symptoms.

(DFN 01)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Food and Nutritional Science
FUNDAMENTALS OF FOOD AND NUTRITION
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Describe the biological functions of sodium, potassium, and their sources.
 - (b) Explain the importance of micro minerals such as cobalt, copper and iodine in the human body.

2. (a) Explain the nutrient deficiency diseases and what are the remedial methods to be taken.
 - (b) Write an account on the programmes of government regarding different nutrient deficiency diseases.

(DFN 02)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Food and Nutritional Science
NUTRITIONAL BIOCHEMISTRY
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Describe glycogenolysis and its importance in the body.
(b) Describe the Oxidation and biosynthesis of Lipids.
2. (a) Write an account on mineral metabolism.
(b) Explain the utilization ,and factors affecting utilization of micro nutrients.
3. (a) Describe the metabolism of Vitamins in the human body.
(b) Explain the utilization of Vitamins, uses and deficiencies of Vitamins.

(DFN 02)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Food and Nutritional Science
NUTRITIONAL BIOCHEMISTRY
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Write an account on the IUB classification of Enzymes.
(b) Describe the factors influencing enzymes activity.
2. (a) Write an account on the immune system in the human body.
(b) Describe the immunity interactions and infections.

(DFN 03)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, JUNE 2022.

First Year

Food and Nutritional Science

FUNCTIONAL FOODS

MAXIMUM MARKS :30

ANSWER ALL QUESTIONS

1. (a) Define functional foods and current market scenario of the health foods.
(b) Describe the public demand and Indian market potential of the health foods.
2. (a) Explain the protein foods, their sources, types and methods of extraction.
(b) Write an account on Low cholesterol oils and cholesterol free foods.
3. (a) Describe nutraceuticals, and their role in health and therapeutic applications.
(b) Describe the nutritional implications of sodium free, lactose free, phenylalanine free and fibre rich foods.

(DFN 03)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Food and Nutritional Science
FUNCTIONAL FOODS
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Explain fortification nutrients in the processed foods and their role in health.

(b) Describe the development of sugar free products and their nutritional implications.
2. (a) Define biotechnology, its need, and importance of food biotechnology.

(b) Explain food processing improvements through biotechnology and their nutritional implications.

(DFN 04)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Food and Nutritional Science
INSTITUTIONAL FOODS SERVICE MANAGEMENT
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Describe the tools of management and management of resources.

(b) Write an account on the types of Hotels, / Motels, Restaurants, Cafes and clubs.
2. (a) Write an account on the classification of equipment, selection of equipment, design and installation.

(b) Explain food service operations, and types of food services.
3. (a) Describe the Laws governing food service in public catering, sanitation of food service in public catering.

(b) Explain the food safety measures in Airlines, Railways, temple and mass feeding programmes.

(DFN 04)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, JUNE 2022.
First Year
Food and Nutritional Science
INSTITUTIONAL FOODS SERVICE MANAGEMENT
MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

1. (a) Write an account on the food safety awareness programmes to food handlers and consumers.
 - (b) Explain the service training skills, required to operate and manage food service system.
2. (a) Explain the scope of financial management of personnel in Hotels and Restaurants.
 - (b) Describe the process of Recruitment selection, induction and job analysis.