

**(DFN01)**

**ASSIGNMENT-1**

**M.Sc. DEGREE EXAMINATION, MAY - 2018**

**First Year**

**FOODS & NUTRITIONAL SCIENCE**

**Fundamentals of Food and Nutrition**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) What do you understand by balanced diet? Explain the effects of malnutrition on health.
- b) Discuss the ICMR recommendations of dietary requirements. What are its uses and limitations?
- Q2)** a) Explain the composition and classification of Carbohydrates with examples. Discuss the functions of carbohydrates in body.
- b) Discuss the food sources for oils and fats explain the biological functions of Cholesterol.
- Q3)** a) What are vitamins? Write about the sources and functions of vitamins.
- b) Explain the vitamin deficiency symptoms and diseases due to vitamin deficiencies.

**(DFN01)**

**ASSIGNMENT-2**

**M.Sc. DEGREE EXAMINATION, MAY - 2018**

**First Year**

**FOODS & NUTRITIONAL SCIENCE**

**Fundamentals of Food and Nutrition**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) Explain the sources for Sodium and Potassium for body. Write their biological functions.
- b) Discuss the sources and need of Cobalt and Zinc for body.
- Q2)** a) Discuss the WHO's recommendations on Food and nutrition.
- b) Explain the aims and role of NGOs in popularizing the nutritional knowledge in rural areas in India.



**(DFN02)**

**ASSIGNMENT-1**

**M.Sc. DEGREE EXAMINATION, MAY - 2018**

**First Year**

**FOODS & NUTRITIONAL SCIENCE**

**Nutritional Biochemistry**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) Explain HMP pathway in detail.  
b) write about protein bio synthesis what is the metabolic interrelationship between lipids and proteins.
- Q2)** a) Discuss the utilization of nutrients and its metabolism.  
b) Discuss the role of minerals in metabolism.
- Q3)** a) Explain the metabolism of vitamins.  
b) Discuss the role of vitamins in metabolism.

**(DFN02)**

**ASSIGNMENT-2**

**M.Sc. DEGREE EXAMINATION, MAY - 2018**

**First Year**

**FOODS & NUTRITIONAL SCIENCE**

**Nutritional Biochemistry**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) What are enzymes? Explain the factors influencing enzyme activity?  
b) Discuss the Antigen - Antibody reactions and nutrition.
- Q2)** a) Describe human immune system in detail.  
b) Discuss Biochemical oxidation – reduction processes in human body giving examples.



**(DFN03)**

**ASSIGNMENT-1**

**M.Sc. DEGREE EXAMINATION, MAY - 2018**

**First Year**

**FOOD & NUTRITIONAL SCIENCE**

**Functional Foods**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) What are Functional foods? Discuss the Indian Market Potential of functional foods.  
b) Discuss the Public Demand on functional foods.
- Q2)** a) What are the sources for protein powders? Write the types of protein powders and the usage of their merits and demerits.  
b) Write a detailed note on low cholesterol oils and cholesterol free foods. What are its advantages on health aspects?
- Q3)** a) What are nutraceuticals? Explain the types and classification of nutraceuticals giving suitable examples.  
b) What are diabetic nuts and confectionaries? Discuss their nutritional implications.

**(DFN03)**

**ASSIGNMENT-2**

**M.Sc. DEGREE EXAMINATION, MAY - 2018**

**First Year**

**FOOD & NUTRITIONAL SCIENCE**

**Functional Foods**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) What are artificial Sweeteners? Discuss the production of Sugar free products and their current market trend.
- b) Discuss the Fortification of nutrients in processed foods. Explain their role in health.
- Q2)** a) Discuss the need and importance of biotechnology in food processing industry.
- b) Explain in detail about genetically modified foods. Discuss their nutritional implications.



**(DFN04)**

**ASSIGNMENT-1**

**M.Sc. DEGREE EXAMINATION, MAY - 2018**

**First Year**

**FOODS & NUTRITIONAL SCIENCE**

**Institutional Foods Service Management**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) Discuss the need and importance of Food Service Industry. Write about the tools of management.  
b) Explain the principles of Food Service Management in Hostels and Hospitals.
- Q2)** a) Explain the principles and functions of Fast foods and takeaway Foods Service Managements.  
b) Discuss the Food Service Managements in Industrial Canteens and Wine bars.
- Q3)** a) Describe the building plans cum outlays of Kitchen and service areas of Catering Institutions.  
b) Discuss the service available from the Food management regarding Self Servicing Canteens and Mobile Catering.

**(DFN04)**

**ASSIGNMENT-2**

**M.Sc. DEGREE EXAMINATION, MAY - 2018**

**First Year**

**FOODS & NUTRITIONAL SCIENCE**

**Institutional Foods Service Management**

**MAXIMUM MARKS:30**

**Answer ALL Questions**

- Q1)** a) Discuss the hygiene conditions of Food and its safety in Temples and Mass feeding programmes.
- b) Write about the Food Safety awareness programmes to food handlers and consumers.
- Q2)** a) Describe the importance of Bookkeeping and accounting in Cost Control and Pricing of Food items.
- b) Explain the need and importance of Training Programmes for employees in Food Service Sectors.

