

(DFN01)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, DEC. – 2017
First Year
FOODS & NUTRITIONAL SCIENCE
Fundamentals of Food and Nutrition
MAXIMUM MARKS-30
ANSWER ALL QUESTIONS

- Q1)** a) What is balanced diet? How malnutrition effects the health?
b) Explain the latest recommendations of ICMR on nutrient requirements and their uses.
- Q2)** a) Define carbohydrates and write their classification with examples. Explain the functions of carbohydrates in the human biological system.
b) Explain the composition and classification of proteins. Write about essential and non-essential proteins.
- Q3)** Explain the sources and functions of vitamin A and K. Write about the symptoms and diseases caused by vitamin A and K.

(DFN01)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, DEC. – 2017
First Year
FOODS & NUTRITIONAL SCIENCE
Fundamentals of Food and Nutrition
MAXIMUM MARKS-30
ANSWER ALL QUESTIONS

- Q1)** a) What are Macro minerals? Explain the sources and biological functions of sodium and calcium.
- b) Explain the assessment of requirements of Micro minerals to the human body. Discuss the importance of cobalt, iron and fluorine.
- Q2)** a) Discuss the Aims and objectives of nutrition programmes organized in India.
- b) Discuss the role and objectives of WHO in the implementation of food nutrition programmes.
- Q3)** What are water soluble vitamins? Explain the sources and functions of vitamin B and vitamin C. Write about the diseases caused by the deficiency of vitamin 'B' and 'C'.

(DFN02)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, DEC. – 2017
First Year
FOODS & NUTRITIONAL SCIENCE
Nutritional Biochemistry
MAXIMUM MARKS-30
ANSWER ALL QUESTIONS

- Q1)** a) Explain urea cycle in detail.
b) Explain HMP pathway in detail.
- Q2)** a) Discuss the micro nutrient metabolism. Write about the biosynthesis of proteins.
b) Describe the role of minerals in metabolism. Write the interrelationship between lipid and proteins.
- Q3)** Explain vitamin metabolism in detail.

(DFN02)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, DEC. – 2017
First Year
FOODS & NUTRITIONAL SCIENCE
Nutritional Biochemistry
MAXIMUM MARKS-30
ANSWER ALL QUESTIONS

- Q1)** a) Explain IUB classification and MM equation
b) Explain infection and immunity interactions with suitable examples.
- Q2)** a) Explain Electron Transport chain in biological system.
b) Explain biochemical oxidation-reduction reactions with suitable examples.
- Q3)** Explain the utilization of micro nutrients metabolism in detail.

(DFN03)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, DEC. – 2017
First Year
FOODS & NUTRITIONAL SCIENCE
Functional Foods
MAXIMUM MARKS-30
ANSWER ALL QUESTIONS

- Q1)** a) Discuss the Indian Market potential on functional health foods.
b) What are functional foods? Discuss the merits and demerits of the functional foods.
- Q2)** a) Describe the methods of extraction of proteins of oil seeds.
b) Explain the properties and applications fat free powders and their nutritional aspects.
- Q3)** Explain the classification of nutraceuticals. Write the therapeutic applications of nutraceuticals.

(DFN03)

ASSIGNMENT-2

M.Sc. DEGREE EXAMINATION, DEC. – 2017

First Year

FOODS & NUTRITIONAL SCIENCE

Functional Foods

MAXIMUM MARKS-30

ANSWER ALL QUESTIONS

- Q1)** a) Discuss the role and importance of Dietary supplements in the health aspects.
- b) What are non-nutritive sweeteners and artificial sweeteners? Discuss their uses and implications with respect to nutritional values.
- Q2)** a) How Biotechnology is useful in food quality improving and nutrition values.
- b)** Discuss the gene modification technology in food items. Write its merits and demerits.
- Q3)** Write the uses of fiber rich foods and their nutritional values. Mention its implications.

(DFN04)

ASSIGNMENT-1
M.Sc. DEGREE EXAMINATION, DEC. – 2017

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.
b) Write about the Management of various types of Hotels and Motels.
- Q2)** a) Discuss the welfare and safety in Hostels and old aged Homes.
b) Explain the selection and classification of equipment in Institutional Food Services.
- Q3)** Discuss the plan of kitchen spaces and storage spaces in food service organisation.

(DFN04)

ASSIGNMENT-2
M.Sc. DEGREE EXAMINATION, DEC. – 2017
First Year
FOODS & NUTRITIONAL SCIENCE
Institutional Foods Service Management

MAXIMUM MARKS-30

ANSWER ALL QUESTIONS

- Q1)** a) Discuss the Food Catering Services in Railways and Airlines.
b) Discuss the Food Catering Services in Hospitals and Temples and mass feeding programmes.
- Q2)** a) Discuss the scope of Financial management in Food Service Organizations.
b) Discuss the monitoring work of employees, facilities and benefits in Food Service Management.
- Q3)** Discuss the laws governing Food services governing in public catering and sanitation services.