

DFN21A

ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
(Second Year)
FOOD & NUTRITIONAL SCIENCES
Nutrition Through Life Cycle

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Describe the population pressure and food availability and its impact on nutritional wellbeing in the National context.
- 2) Write an account on Agriculture production and economic aspects on wellbeing of the country.
- 3) Write an account on the growth and development of infants feed on breast milk and trends in breast feeding.
- 4) Explain the growth and development of infant existing practices and suitable method of introducing supplementary foods to wear the child.
- 5) Describe the effect of poor nutrition on the growth support and feature adult hood.



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ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, MAY - 2020
(Second Year)
FOOD & NUTRITIONAL SCIENCES
Nutrition Through Life Cycle

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Describe the importance and necessity of school lunch programmes with special reference to Andhra Pradesh.
- 2) Explain the psychological effects leading to biochemical changes in the middle aged, and suggest the dietary modifications for good health.
- 3) Describe the current concepts of lactation and composition of breast milk.
- 4) Describe the effects of under nutrition and infections and dangers of malnutrition on the growth and development of child.
- 5) Write an account on sports nutrition and nutritional needs for industrial workers.



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ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
(Second Year)
FOOD & NUTRITIONAL SCIENCE
Food Chemistry & Chemical Analysis of Foods

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Describe the different types of water and its activity.
- 2) Write an account on the physiochemical characters of colloidal solutions and suspensions.
- 3) Write an account on the chemical and physical structure of cereals and legumes.
- 4) Explain the proteins of wheat and its importance in the preparation of flour products.
- 5) Describe the changes in post harvesting stages including storage of fruits and vegetables.

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ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, MAY - 2020
(Second Year)
FOOD & NUTRITIONAL SCIENCE
Food Chemistry & Chemical Analysis of Foods

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Describe the type of enzymes in foods, their functions and importance to food quality.
- 2) Describe the applications of chromatographic techniques in food analysis.
- 3) Describe the chemical structure and chemical changes of Chlorophylls and Carotenoids on cooking.
- 4) Describe the applications of Spectroscopy and procedures in food analysis with examples.
- 5) Write an account on the structure and properties of different fats.

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ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAYY - 2020
(Second Year)
FOOD & NUTRITIONAL SCIENCE
Nutritional Assessment Techniques

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Explain the development of skills in conducting a dietary survey for school children.
- 2) Describe the methods of assessment of health status for University ladies.
- 3) Describe the methods of conducting institutional diet survey for employees.
- 4) Describe the methods of assessing body mass index for University male students.
- 5) Describe the measurement of anthropometry for children.

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ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, MAYY - 2020
(Second Year)
FOOD & NUTRITIONAL SCIENCE
Nutritional Assessment Techniques

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Describe the assessment of iron nutritional status of pregnant women in community.
- 2) Describe the methods used for calculation of malnutrition in street children.
- 3) Explain the biochemical methods to estimate Haemoglobin in pregnant women.
- 4) Describe the methods of conducting nutritional survey in terms of physical activity and energy consumption.
- 5) Write an account on the biochemical methods used for major nutritional disorders and standards of comparison.

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ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
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FOOD & NUTRITIONAL SCIENCE
Experimental Foods

MAXIMUM MARKS :30

ANSWER ALL QUESTIONS

- 1) Write an account on the classification of foods of basic five groups.
- 2) Describe food evaluation and selection of taste panels.
- 3) Describe the factors effecting gelatin and dough gluten formation.
- 4) Describe the properties of fats and oils and add a note on hydrogenation.
- 5) Describe the factors affecting the quality of cooked pulse products.

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FOOD & NUTRITIONAL SCIENCE
Experimental Foods

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Explain the properties of egg proteins and uses of egg preparations.
- 2) Describe the fish types and changes during heat treatment.
- 3) Explain the role of sugar in the preparation of cakes and Indian sweets.
- 4) Describe the structure of vegetable tissues, starches, sugars and their effect on texture and palatability.
- 5) Write an account on the plant enzymes and uses of extraction of papain and effect on meat.

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ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
(Second Year)
FOOD & NUTRITIONAL SCIENCE
Clinical Nutrition and Dietetics

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Explain the code of ethics and obligations of Dietecian.
- 2) Write an account on origin and history of Dietics association, membership and Registration.
- 3) Describe the etiology, physiology, metabolic changes and complications of obesity.
- 4) Describe the classification of foods and preparation of normal diet.
- 5) Describe the types of allergens, symptoms, metabolic changes.

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ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, MAY - 2020
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FOOD & NUTRITIONAL SCIENCE
Clinical Nutrition and Dietetics

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Explain the diagnostic tests and dietary management for allergens.
- 2) Write an account on Dyspepsia, gastritis and Ulcer including their symptoms and remedies.
- 3) Explain the malabsorption syndrome, spruce and diverticular disorders.
- 4) Describe the epidemiology, etiology, symptoms and remedial features of jaundice.
- 5) Write an account on Pancreatitis and its effects.

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ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
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FOOD & NUTRITIONAL SCIENCE
Food Microbiology and Toxicology

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Describe the moulds, Yeasts, and bacteria contaminated during preservation of foods.
- 2) Describe the methods of controlling microorganisms in food preservation process.
- 3) Write an account on the methods of detection and prevention of mould and mycotoxin contamination.
- 4) Describe the factors relating in destruction of naturally present food enzymes.
- 5) Describe the factors affecting toxicity of foods and disease out beaks.

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ASSIGNMENT 2
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FOOD & NUTRITIONAL SCIENCE
Food Microbiology and Toxicology

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Explain the physicochemical factors influencing destruction of microorganisms and their death time.
- 2) Write an account on Allergenicity, and Mutagenicity including their effects.
- 3) Explain Haemo toxicity, skeletal toxicity and Reproductive toxicity and their implications on human health,
- 4) Describe the incidence of mushroom poisoning and types of mushroom poisoning.
- 5) Write an account on the toxins formed from proteins and amino acids by alkalitreatment and produced by reacting with contaminants.

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ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
(Second Year)
FOOD & NUTRITIONAL SCIENCES
Diet Therapy and Counseling

MAXIMUM MARKS :30

ANSWER ALL QUESTIONS

- 1) Describe the meaning and significance of diet counselling and explain the types of counselling
- 2) Describe the impact of counselling on health and diseases of individuals and role of counselling in hospitals.
- 3) Write an account on the diet counselling for Obese people.
- 4) Describe the types of Febrile conditions, etiology and metabolic changes.
- 5) Describe etiology, diagnosis, complications, types and metabolic changes of Diabetes mellitus.

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ASSIGNMENT 2
M.Sc. DEGREE EXAMINATION, MAY - 2020
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FOOD & NUTRITIONAL SCIENCES
Diet Therapy and Counseling

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Describe the dietary counselling for cardio vascular disease.
- 2) Write an account on Hypertension, and Atherosclerosis and their preventive and curative aspects.
- 3) Explain Myocardial infraction and consecutive Heart failure and their preventive and curative measures.
- 4) Describe diagnosis, metabolic changes in Renal disorders and diet counselling.
- 5) Write an account on Nutritional cancer and diet counselling for cancer.

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ASSIGNMENT 1
M.Sc. DEGREE EXAMINATION, MAY - 2020
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FOOD & NUTRITIONAL SCIENCE
Food Safety and Quality Assurance

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Describe the definitions and explanation of terms of food quality.
- 2) Write an account on recognised experts in the food quality.
- 3) Write an account on the responsibilities of food quality and food safety.
- 4) Describe the systems and programmes for food quality and food safety.
- 5) Write an account on food adulterants and their types.

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FOOD & NUTRITIONAL SCIENCE
Food Safety and Quality Assurance

MAXIMUM MARKS :30
ANSWER ALL QUESTIONS

- 1) Explain food additives such as stabilizers and preservatives.
- 2) Describe food safety hazards and health risks.
- 3) Write an account on physical hazards in food.
- 4) Explain quality management systems and Quality assurance systems.
- 5) Write an account on GMPs as business practice in the food industry.