



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A DEEMED TO BE UNIVERSITY)

Integrated B.Sc.-M.Sc. Clinical Nutrition and Dietetics (CND)

Second Year, Semester- IV, October 2023 Examination

Time- 2 Hrs

[Max Marks: 50]

MEDICAL NUTRITION MANAGEMENT-II

QP Code: N4082

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

LONG ESSAY

2x6= 12 Marks

1. Describe each of the Therapeutic Lifestyle Changes diet (TLC) recommended for reducing risk of coronary heart disease.
2. Define bronchopulmonary dysplasia. Describe the medical nutrition management for bronchopulmonary dysplasia

SHORT ESSAY

6x4=24 Marks

3. Explain the functions of kidney
4. Explain the causes of chronic renal failure
5. Explain the nutritional therapy for osteoporosis
6. Explain the pathophysiology of rheumatoid arthritis
7. Discuss the role of DASH diet for reducing the risk of hypertension
8. Explain the nutritional management for cystic fibrosis

SHORT ANSWER

7x2=14 Marks

9. Define COPD
10. List the signs and symptoms for lung cancer
11. Mention causes of nephrolithiasis
12. Define glomerular nephritis
13. Define muscular dystrophy
14. Define temporomandibular disorder
15. Define angina pectoris

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NUTRITION THROUGH LIFE SPAN- II

QP Code: N4092

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

LONG ESSAY

2x6= 12 Marks

1. Discuss the nutritional requirements of overweight and obese toddlers and preschoolers
2. Describe infants with congenital anomalies and chronic illness

SHORT ESSAY

6x4=24 Marks

3. Discuss the prevention of Lactose intolerance for infants
4. Justify intrauterine growth predict growth outside
5. Explain the breast milk feeding practice for infants
6. Discuss the Physiological and Cognitive Development of preschool children
7. Define autism and discuss the nutritional treatment for autism
8. Explain the nutrition intervention for prevention of Cystic Fibrosis

SHORT ANSWER

7x2=14 Marks

9. Mention the consequences of inappropriate and unsafe food choice
10. Mention the consequences of inappropriate and unsafe food choice
11. Mention the neuromuscular control disabilities from Feeding problems
12. List the intervention programs implemented in India
13. Define anaphylaxis
14. Mention the three critical principles of “Bright Futures in Practice: Nutrition”
15. List the causes for Toddler diarrhea and Celiac diseases

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Time- 2½ Hrs

[Max Marks: 80]

MEDICAL NUTRITION MANAGEMENT-II

QP Code: N4422

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

LONG ESSAY

2x10= 20 Marks

1. Define hypertension. Describe the pathophysiology of hypertension
2. Define chronic renal failure. Explain the medical nutritional management for chronic renal failure

SHORT ESSAY

6x5=30 Marks

3. Describe the medical nutrition management for tuberculosis
4. Explain the pathophysiology of cystic fibrosis
5. Explain the nutritional therapy for osteoporosis
6. Explain the nutritional management for systemic lupus erythematosus
7. Explain the classifications of dyslipidemia
8. Describe the nutritional management of nephritic syndrome

SHORT ANSWER

10x3=30 Marks

9. Define GFR
10. Define hypophosphatemia
11. Define osteopenia
12. Define osteoarthritis
13. Define bronchopulmonary dysplasia
14. Mention the symptoms for tuberculosis
15. Define GFR
16. Mention the causes of urinary tract infection
17. Mention the symptoms for tuberculosis
18. List the causes for Atherosclerosis



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[Max Marks: 80]

NUTRITION THROUGH LIFE SPAN-II

QP Code: N4432

LONG ESSAY

2x10= 20 Marks

1. Elaborate on the physiological and cognitive developments of school age children.
2. List the causes and explain the prevention of overweight and obesity in toddlers and preschoolers.

SHORT ESSAY

6x5=30 Marks

3. Explain the breast milk feeding practice for infants.
4. Discuss the nutritional care infants with genetic disorders.
5. Define Constipation. Mention causes and symptoms of constipation of toddlers and preschool children.
6. Explain the dietary management of toddler with diarrhea and celiac diseases.
7. Describes critical periods in childhood for the development of obesity.
8. Explain the nutrition intervention for prevention of seizures.

SHORT ANSWER

10x3=30 Marks

9. Mention the role of vegetarian diets for infants growth.
10. Define food allergies.
11. Mention the feeding problems for infants.
12. Mention the program for nutrition intervention for risk reduction.
13. List the physical activity recommendations for children.
14. List the dietary supplements and herbal remedies for treatment of nutrition related conditions.
15. Define Preadolescence and adolescence.
16. Describe the recommended intake of iron, fibre, and calcium of school age children.
17. Mention the Eating and feeding problems in children.
18. Define Phenylketonuria (PKU).



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Time: 2:30 Hrs

Max Marks: 80

FOOD PROCESSING & TECHNOLOGY

QP Code: N4460

Your answers should be specific to the question asked

Draw neat labelled diagrams wherever necessary

LONG ESSAY

2×10=20 Marks

1. Define Parboiling and explain the methods of parboiling.
2. Elaborate on the different types of dehydration techniques employed in food preservation

SHORT ESSAY

6×5=30 Marks

3. Discuss the changes occurring in wheat flour during storage
4. Explain the various chemical changes associated with slaughtering the animal
5. Write the application of irradiation process in foods
6. Write the chemical composition of zein in detail
7. Discuss the process of spray drying in the preparation of whole milk powder
8. Comment on the various anti nutritional factors present in legumes.

SHORT ANSWER

10×3=30 Marks

9. Cryoconcentration
10. Radurization
11. Classification of refrigerants
12. Milk proteins
13. DFD
14. List the mould inhibitors used in bread making
15. Define Rigor Mortis
16. Food Irradiation
17. Name the effects of freezing on food quality and micro organisms
18. Mention the physiological and physical changes in fruit ripening