



**SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)**

**Integrated B.Sc. - M.Sc. Clinical Nutrition and Dietetics (CND)
Second Year Semester – IV September 2025 Examination**

Time: 2.30 Hrs.

Max Marks: 80 Marks

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 cystic fibrosis. Explain the nutritional management for cystic fibrosis
2. Explain the medical nutritional management for patients on Dialysis

SHORT ESSAY

6x5=30 Marks

3. Explain the nutritional management for systemic lupus erythematosus
4. Describe the causes for osteoarthritis
5. Explain the pathophysiology of renal failure
6. Describe the medical nutrition management for tuberculosis
7. Explain the causes for hypertension
8. Explain the nutrition therapy for congestive heart failure

SHORT ANSWER

10x3=30 Marks

9. Define atherogenic dyslipidemia
10. Name the types of hypertension
11. List the signs and symptoms for COPD
12. Define bronchopulmonary dysplasia
13. Mention the types of dialysis
14. Define osteomyelitis
15. Mention the symptoms of rheumatoid arthritis
16. Define Acute Respiratory Infection
17. Mention the symptoms for tuberculosis
18. Define Glomerulonephritis



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NUTRITION THROUGH LIFE SPAN-II

Q.P Code: N4432

*Your answer should be specific to the question asked.
Draw neat labeled diagrams wherever necessary*

LONG ESSAY

2x10= 20 Marks

1. Elaborate on the physiological and cognitive developments of school age children.
2. Explain the causes, symptoms and role of interventions for prevention of iron deficiency anaemia, mention its daily recommendation for toddlers and preschool children.

SHORT ESSAY

6x5=30 Marks

3. Explain the metabolic demands of macronutrients for new born infants.
4. Illustrate the interpretation of growth for infants.
5. Explain the common nutritional problems of infants.
6. Discuss the complication of feeding problems.
7. Elaborate on the prevention of common nutrition problems of school age children.
8. Explain the nutrition intervention for prevention of Cystic Fibrosis.

SHORT ANSWER

10x3=30 Marks

9. Mention the consequences of inappropriate and unsafe food choice.
10. Mention the causes of iron deficiency anemia for infants.
11. List the nutrition services for preterm infants.
12. Mention the nutritional support for severe preterm birth.
13. Mention the feeding skills developments of toddlers.
14. Mention the protein requirements for toddlers and preschool children.
15. Mention the chronic conditions generally associated with high and low caloric needs.
16. Define middle childhood.
17. Mention the objectives of intervention programs implemented in India.
18. Define Cystic Fibrosis and state any 4 symptoms.



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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 thermal processing. Explain the different methods used in the thermal food processing
2. Elaborate on the types of leavening agents and their importance in leavened products.

SHORT ESSAY

6×5=30 Marks

3. Explain the important safety and quality issues connected with thermal food processing
4. Explain the methods employed in the elimination of toxic components from pulses
5. Write the process of ice crystal formation
6. Discuss the role of enzyme alpha amylase in wheat processing
7. Describe the process of zein separation
8. Explain the procedure of preparation of whey protein concentrates.

SHORT ANSWER

10×3=30 Marks

9. Define Preservation
10. Write the difference between Baking powder and Baking Soda
11. List the pre-treatment involved in oil extraction
12. Define pasteurization techniques.
13. Write the concept of hurdle technology
14. Define sausages
15. Aflatoxins
16. List the main crops grown in India
17. Define Water activity
18. Define germination

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