



**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A DEEMED TO BE UNIVERSITY)**

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

Third Year, Semester- V, March- 2026 Examination

Time- 2.30 Hrs.

[Max Marks: 80]

MEDICAL NUTRITION MANAGEMENT-III

QP Code: N5423

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

I. LONG ESSAY

2X10= 20 Marks

1. Describe the etiological factors affects the Adverse reactions to food
2. Define Galactosemia. Explain pathophysiology and nutrition therapy for Galactosemia.

II. SHORT ESSAY

6X5=30 Marks

3. Discuss the features of medical nutrition therapy for HIV infected and AIDS patients.
4. Explain pathophysiology and nutrition therapy for depression
5. Describe the etiology and pathophysiology of Guillain-Barré Syndrome
6. Explain dietary management of cancer
7. Describe the nutrition therapy for child with cerebral palsy
8. Discuss the medical nutrition therapy for urea cycle disorders

III. SHORT ANSWER

10X3=30 Marks

9. Food sensitivity
10. List the symptoms of bipolar disorder
11. Define Propionic acidemia
12. Mention the symptoms of cancer
13. List the symptoms of Food allergy
14. Define Attention-Deficit/Hyperactivity Disorder?
15. Define Phenylketonuria?
16. Define Eating Disorders and mention its types
17. Differentiate between dementia and Alzheimer's
18. Define Traumatic brain injury



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NUTRITION THROUGH LIFE SPAN- III

QP Code: N5433

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

I. LONG ESSAY

2X10=20 Marks

1. Explain health implications, assessment and treatment for overweight and obese adolescence.
2. Describe cognitive behavioral therapy and physical activity for weight management among adults.

II. SHORT ESSAY

6X5=30 Marks

3. Discuss the etiology of atherosclerosis.
4. Enumerate the nutrition interventions for metabolic syndrome.
5. Describe the age related changes in energy expenditure.
6. Discuss the importance of nutritional care for cancer.
7. Explain the wear-and-Tear theories of aging.
8. Describe the cross –cultural considerations in making dietary recommendations.

III. SHORT ANSWER

10X3=30 Marks

9. Define stroke. List the sign and symptoms of Stroke.
10. Mention the exercise guidelines for older adults.
11. Define osteoporosis and list the risk factor for osteoporosis.
12. List the nutritional remedies for cardiovascular diseases.
13. Mention the causes of gastro esophageal reflux disease.
14. Define dehydration and list the signs and symptoms of dehydration.
15. Define Alzheimer's disease and list the etiology of cognitive disorder.
16. Mention the recommendations of fluids for older adults.
17. List the complications of uncontrolled diabetes.
18. Mention nutrition assessment components for HIV patients.



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Time- 2.5 Hrs.

[Max Marks: 80]

NUTRITION AND FITNESS

QP Code: N5470

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

I. LONG ESSAY

2X10= 20 Marks

1. Describe the effects of chronic endurance exercise training on the subsequent use of carbohydrate as an energy source during exercise
2. Describe the significance of physical fitness in the management of weight control

II. SHORT ESSAY

6X5=30 Marks

3. Explain the components of physical fitness
4. Describe ways to determine the intensity of physical activity
5. Discuss nutritional and exercise regimes for pre and postnatal fitness
6. Discuss the role of physical fitness and nutrition in prevention of cancer
7. Explain the importance of proper nutrition for maintaining good health and fitness
8. Describe Ergogenic Effects of Beta-Alanine in high intensity exercise

III. SHORT ANSWER

10X3=30 Marks

9. Define fitness
10. Differentiate between physical activity and exercise
11. Differentiate between anaerobic and aerobic use of energy
12. Mention the inter-relationship between nutrition and physical fitness
13. Define health
14. Define electrolyte balance
15. Mention guidelines for maintaining water (fluid) balance during exercise
16. Mention the importance of balance diet
17. Mention any three role of fat in exercise
18. Define BMR and BMI



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Time- 2.30 Hrs

[Max Marks: 80]

DIETARY COUNSELLING

QP Code: N5480

Your answer should be specific to the question asked
Draw neat labelled diagrams wherever necessary

I. LONG ESSAY

2X10= 20 Marks

1. Define counselling. Explain theories of nutrition counselling
2. Discuss two ways in which counselling within the nutrition care process is important to the work of the nutrition counsellor

II. SHORT ESSAY

6X5=30 Marks

3. Explain the basic principle of diet counselling
4. Explain the nature of change for readiness
5. Explain bioelectrical impedance analysis
6. Describe the Enabling conditions for successful appointments
7. Explain the Necessary conditions for productive behavioral counseling
8. Illustrate the social ecological model with a neat labelled diagram

III.SHORT ANSWER

10X3=30 Marks

9. List the causes of reactions to change
10. Define reflective listening
11. Mention Training in counselling
12. List the stages in adopting change
13. Different approaches to counselling
14. List the factors involved in dietary assessment
15. Mention the NCP recommendations in dietary counseling
16. Mention appropriate action responses to given client statements
17. Name the issues arising in the relationship between patient and dietician
18. Mention the stages of change to goal setting by asking appropriate questions



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Time: 2.30 Hrs

Max Marks: 80

NUTRITION AND IMMUNITY

QP Code: N5490

Your answers should be specific to the question asked

Draw neat labelled diagrams wherever necessary

I. LONG ESSAY

2X10=20 Marks

1. Discuss the nature of Severe Under nutrition.
2. Explain the role of nutrition intervention to prevent and treat diarrhoea

II. SHORT ESSAY

6X5=30 Marks

3. Describe the nine pillars of good treatment of acute gastroenteritis.
4. Explain the role of antioxidants in immunity
5. Explain the pathways of spread and transmission of microorganisms in RTI.
6. Discuss the immune system of the gut.
7. Explain the role of Vit-C and immune function.
8. Discuss the role of Iron in immune function

III. SHORT ANSWER

10X3=30 Marks

9. Define Reductive Adaptation
10. List the sources of Antioxidant Vitamins
11. List the role Anti-IgE
12. List Composition of the Human Intestinal Microflora
13. Define AIDS
14. Define Probiotics
15. Define Phagocytosis
16. Mention the types of Tier system
17. Name the bacteria responsible for the major acute respiratory infections
18. Define Autoimmune disorder