

**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 2022 Examination

Time- 2 Hrs

[Max Marks: 50]

**MEDICAL NUTRITION MANAGEMENT-III**  
**QP Code: N5083**

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

**LONG ESSAY**

**2x6= 12 Marks**

1. Discuss the dietary factors that may increase or decrease the risk of cancer
2. Explain pathophysiology and medical nutrition therapy for spinal cord injury

**SHORT ESSAY**

**6x4=24 Marks**

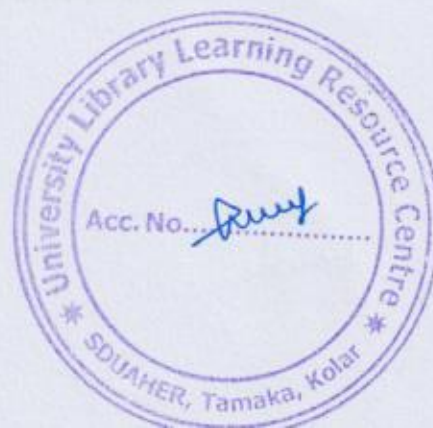
3. Explain medical nutrition therapy for Phenylketonuria
4. Describe the risk factors for the development of food allergy
5. Discuss medical nutrition therapy for Down's syndrome
6. Discuss the features of medical nutrition therapy for HIV infected and AIDS patients.
7. Explain pathophysiology Schizophrenia
8. Describe the nutrition therapy for urea cycle disorders

**SHORT ANSWER**

**7x2=14 Marks**

9. Define food allergy
10. Mention the types of glycogen storage diseases
11. Define Citrullinemia
12. Mention the symptoms for cancer
13. Define GFR
14. Define cerebral aneurysm
15. Mention the symptoms of Prader-Willi syndrome

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**NUTRITION THROUGH LIFE SPAN- III**

**QP Code: N5093**

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

**LONG ESSAY**

**2x6= 12 Marks**

1. Explain medical nutrition management for diabetes
2. Discuss the physical activity recommendations for adults

**SHORT ESSAY**

**6x4=24 Marks**

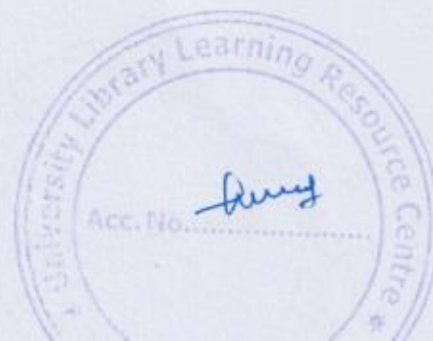
3. Explain the effects of caffeine intake on water need
4. Discuss the Nutritional Needs in a Time of Change of adolescents
5. Discuss the physiological effects of diabetes
6. Explain the normal psychosocial development of adolescents
7. Discuss the importance of self monitored blood glucose in diabetes
8. Describe the nutritional intervention for HIV

**SHORT ANSWER**

**7x2=14 Marks**

9. Define the programmed ageing and list the signs
10. List the supplements used for adolescent nutrition
11. Mention the nutritional support for older adults
12. Mention the major types of health promotions
13. List the Guidelines recommended for cancer diets
14. Mention the prevalence of Overweight and Obesity for school age children in India
15. Mention the signs and etiology of atherosclerosis

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**[Max Marks: 50]**

**NUTRITION AND FITNESS**

**QP Code: N5130**

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

**LONG ESSAY**

**2x6= 12 Marks**

1. Discuss the role of Physical Activity and Fitness in the Prevention of Cardiovascular Disease
2. Describe the significance of physical fitness in the management of weight control

**SHORT ESSAY**

**6x4=24 Marks**

3. Explain the components of physical fitness
4. Discuss the role diet in exercise
5. Discuss nutritional and exercise regimes for pre and postnatal fitness
6. Explain the effects of dehydration in high intensity exercise.
7. Explain the mobilization of fat stores during exercise
8. Describe Ergogenic Effects of Beta-Alanine in high intensity exercise

**SHORT ANSWER**

**7x2=14 Marks**

9. Define fitness
10. What is the difference 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. Mention the nutrition goals to prevention of diabetes mellitus
14. Define Nutrition periodization
15. Mention the Carbohydrate Recommendations for athletes



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[Max Marks: 50]

Time- 2 Hrs

**DIETARY COUNSELLING**  
**QP Code: N5140**

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

**2x6= 12 Marks**

**LONG ESSAY**

1. Discuss the Resources required for the dietitian to develop counselling sections for different age groups.
2. Explain how a dietitian can train herself effectively for counselling the patient.

**6x4=24 Marks**

**SHORT ESSAY**

3. Explain the patient's concerns and feeling for counseling
4. Define confrontation and explain when the dietitian is confronted
5. How would you describe your personal philosophy about helping others?
6. Explain the patient's concerns
7. How could you use your observations to build rapport in an interview setting?
8. What do you consider to be the similarities between the process of change and the process of adjusting to bereavement?

**7x2=14 Marks**

**SHORT ANSWER**

9. Define bbehavioural approach and list the factor involvedt
10. List the different approaches to counselling
11. Comparison of methods of communication
12. Different approaches to counselling
13. Events and emotions
14. List the areas and responsibilities for dietician
15. Mention the acronym checklist to guide dietitian for communication

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Time: 2 Hrs

Max Marks: 60

**NUTRITION AND IMMUNITY**

**QP Code: N 5150**

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

**LONG ESSAY**

**2×10=20 Marks**

1. Explain the functions of micronutrients in the immune system of HIV infected patients.
2. Discuss in detail the mechanism of functioning of the innate/ nonspecific immune system.

**SHORT ESSAY**

**5×5=25 Marks**

3. Explain phagocytosis
4. Mention the Criteria of Probiotics for Human Use
5. Discuss the role of Elimination Diets for the Treatment of Allergies
6. Explain the types of Vaccines
7. Explain the role of EPA and DHA on innate immune function

**SHORT ANSWER**

**5×3=15 Marks**

8. Define protein energy malnutrition
9. Define Reductive Adaptation
10. List a few sources of prebiotics
11. Define oxidative stress
12. Present the WHO clinical classification of ARI

