



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 2023 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. Explain the basic pathophysiology of allergic response
2. Explain pathophysiology and nutrition therapy for epilepsy

SHORT ESSAY

6x4=24 Marks

3. What is cancer cachexia? What factors promote its development?
4. Describe the pathophysiology for Parkinson's Disease
5. Explain medical nutrition therapy organic acids metabolism disorders
6. Discuss the role of nutritionist in genetically metabolic disorders
7. Explain the etiology and incidence of developmental disabilities
8. Explain the importance of nutrition assessment child with spina bifida

SHORT ANSWER

7x2=14 Marks

9. Mention the importance of newborn screening
10. List the symptoms of food intolerance
11. Define allergens
12. List the symptoms of brain trauma
13. Define bipolar disorder
14. Mention symptoms for autism
15. Define carcinogenesis



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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. Define GERD and describe the stomach conditions and affect on absorption of nutrients
2. Discuss the dietary supplements and functional foods for older adults

SHORT ESSAY

6x4=24 Marks

3. Explain the assessment and nutritional treatment of adolescent of overweight
4. Explain the normal physical growth and changes in body composition in preadolescent
5. Describes critical periods in adolescents for the development of obesity
6. Describe the physiological changes and body composition in older adults
7. Define diabetes and discuss the special nutritional concerns for older adults with diabetes
8. Describe the recommended intake and rich sources of iron, fibre, and calcium for adults and adolescents

SHORT ANSWER

7x2=14 Marks

9. List the Characteristics of Overweight adolescents
10. List the dietary supplements and herbal remedies for treatment of nutrition related conditions for older adults
11. Mention the causes and symptoms of osteoarthritis
12. Define dehydration, over hydration and water intoxication
13. Mention the good feeding practices to enhance the oral health in older adults
14. Mention the vitamins and mineral requirements for gestational diabetes
15. List the nutritional programs serving for older adults



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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. Explain the effects of specific nutrients on work performance and physical fitness
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. Describe ways to determine the intensity of physical activity
5. Discuss nutritional and exercise regimes for pre and postnatal fitness
6. Explain the effects of dehydration during 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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DIETARY COUNSELLING

QP Code: N5140

Your answer should be specific to the question asked

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LONG ESSAY

2x6= 12 Marks

1. How do you intend to apply your knowledge of the skills?
2. Discuss the methods of communication related to the degree of control by the dietitian

SHORT ESSAY

6x4=24 Marks

3. What is your attitude towards making some of the helpful interventions
4. How do you think you could use the interview framework?
5. Developing assertiveness
6. Explain the purpose behind a response for counselling
7. When the dietitian is confronted
8. An ABC for handling confrontations

SHORT ANSWER

7x2=14 Marks

9. Mention the Steps towards becoming more assertive
10. Mention the Reactions to change
11. Define Explain the Empathic responses
12. Define Genuineness
13. List the effective and healthy confrontation
14. The nature of change
15. Enabling patients to make appropriate choices



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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

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LONG ESSAY

2×10=20 Marks

1. Elaborate on the importance of Human Intestinal Microflora, the Mucosa, and the Gut Associated Lymphoid Tissue (GALT)
2. Discuss the role of antioxidants in auto immune diseases

SHORT ESSAY

5×5=25 Marks

3. Discuss the role of micronutrient and their role in HIV disease progression.
4. Explain the association between ARI and under nutrition
5. Discuss the effects of foods on allergies and asthma
6. Discuss the role of Iron in immune function
7. Discuss the Effect of Acute Phase Response on Nutrition

SHORT ANSWER

5×3=15 Marks

8. Name the species commonly used as probiotic source
9. Define Edematous malnutrition
10. List the physical examination and routine laboratory test employed to screen and evaluate immunodeficiency
11. Define Free radicals
12. What is The Double-Blind Placebo-Controlled Food Challenge (DBPCFC?)