



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

**Integrated B.Sc.-M.Sc. Clinical Nutrition and Dietetics (CND)
Second Year, Semester- III, March- 2026 Examination**

Time- 2.30 Hrs.

[Max Marks: 80]

APPLIED NUTRITION- II

QP Code: N3412

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

I. LONG ESSAY

2X10= 20 Marks

1. Discuss the role of sodium in body water balance and Mention the RDA of sodium for adults
2. Mention the metabolically active form of vitamin D. Explain the factor affecting the synthesis of vitamin D from skin

II. SHORT ESSAY

6X5=30 Marks

3. Explain the estimation of body composition using DEXA
4. Explain the Beta-Carotene's Role as an Antioxidant. Mention the sources of Beta-Carotene
5. Discuss health risks associated with toxicity of Vitamin A
6. Discuss the metabolic functions of iodine
7. Describe the role of copper in the human body
8. Explain the Functions, dietary sources and RDA of vitamin B₁(Thiamin)

III. SHORT ANSWER

10X3=30 Marks

9. Mention the tracers used to estimate the human body composition using dilution techniques
10. Define over hydration
11. List the symptoms of vitamin E deficiency
12. Mention the coenzyme of Riboflavin
13. Mention the requirements of folic acids for pregnant and lactating women
14. List the food sources of potassium
15. Define Pernicious Anemia
16. Define Spina bifida
17. List the ultra-trace minerals
18. Define Hyperphosphatemia



**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- III, March- 2026 Examination**

Time – 2.30 Hrs.

[Max Marks: 80]

**MEDICAL NUTRITION MANAGEMENT-I
QP Code: N3421**

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

I. LONG ESSAY

2X10= 20 Marks

1. Define Diarrhea. Describe the causes and dietary management for Diarrhea
2. Define viral hepatitis. Explain the symptoms and nutritional therapy for viral hepatitis

II. SHORT ESSAY

6X5= 30 Marks

3. Explain the normal anatomy and physiology of upper GI
4. Explain the effects of nutrients on drug action
5. Explain the dietary principles to be followed in typhoid fever
6. Describe the etiology and pathophysiology of esophagitis
7. Discuss the dietary recommendations for people with Diabetes
8. Explain the nutritional therapy for PKU

III. SHORT ANSWER

10X3= 30 Marks

9. Define Acute-phase response with examples
10. List any six causes of ESLD
11. Define mal absorption syndrome with examples
12. Name the Types of dysentery
13. Name any three factors involved in peptic ulcer
14. List the generalized sign and symptoms of influenza
15. Define Dyspepsia and mention the symptoms
16. Define Pharmacogenomics
17. Mention the dietary principles for Malaria
18. Mention the dietary modifications to be followed in Irritable bowel syndrome



**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- III, March- 2026 Examination**

Time- 2:30 Hrs

[Max Marks: 80]

NUTRITION THROUGH LIFE SPAN- I

QP Code: N3431

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

I. LONG ESSAY

2X10= 20Marks

1. Define the term critical period. Explain the adverse influences during critical periods affect later health?
2. Describe the nutrition-related factors that determine the risk of miscarriage and stillbirth.

II. SHORT ESSAY

6X5=30 Marks

3. Explain the dietary considerations based on Religion
4. Discuss the role of Antioxidant intake in fertility
5. Discuss the nutritional requirements to management of hypothalamic amenorrhea
6. Explain nutritional needs for women during pregnancy
7. Explain the effects of HIV/AIDS on nutritional status of pregnant woman
8. Discuss the importance of preparing breast for Breastfeeding

III. SHORT ANSWER

10x3=30 Marks

9. Define flat or inverted nipples
10. Mention three causes for pathological jaundice
11. Mention the composition of Colostrum
12. List six sign and symptoms of preeclampsia
13. Define Infant Mortality Rate
14. Define eating disorders. Give an examples
15. Define preconception
16. Define Oxidative stress
17. Define postpartum follow-up
18. Mention the symptoms of Hyperlactation



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-III, March - 2026 Examination

Time- 2.30 Hrs.

Max. Marks: 80

FOOD SANITATION AND HYGIENE

Q.P-CODE: N3440

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

I.LONG ESSAY

2X10=20 Marks

1. Define food allergies. Explain the preventive measures to control food-borne illnesses
2. Describe bacillus cereus food poisoning and perfringens food poisoning

II.SHORT ESSAY

6X5 = 30 Marks

3. Define personal hygiene. Discuss the importance of rest, exercise and recreation
4. Explain any two types of food storage
5. Define pesticide. Mention the preventive measures to control cockroaches and houseflies
6. Explain in brief physical and chemical hazards with example
7. Explain sanitary procedures while preparing food
8. Classify pests. Discuss the importance of pest control

III. SHORT ANSWER

10X3 = 30 Marks

9. Define antiseptics and disinfectants with examples
10. List any six preventive measures to control salmonellosis
11. List even principles of HACCP
12. Mention any three advantages and disadvantages of cleaning agent
13. Define pesticide with example. List the precautions to be taken while handling pesticides
14. List the symptoms and preventive measures of perfringens food poisoning
15. Mention different types of hazards and give an examples
16. Abbreviate GHP, GMP, GCP, GAP, FSSAI and HACCP
17. Define disinfectant, sanitizers and germicide
18. Write a note on stored grain insects and housefly



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A DEEMED TO BE UNIVERSITY)
INTEGRATED BSc –MSc CLINICAL NUTRITION AND DIETETICS (CND)
II YEAR Semester-III March / April 2026 Examination
TIME- 2.30 HRS **MAX MARKS: 80**

FOOD STANDARDS AND QUALITY CONTROL
QP CODE: N3450

Your answers should be specific to questions asked.
Draw neat labelled diagrams wherever necessary

I. LONG ESSAY **2 X 10 = 20 Marks**

1. Describe the international food standards in food industry
2. Mention different methods used in evaluation of food quality and explain the subjective method.

II. SHORT ESSAY **6 X 5 = 30 Marks**

3. Describe basic guidelines used for objective evaluation
4. Describe the following a. aspartame b. sucralose
5. Discuss the role of sulphur dioxide as preservative
6. Discuss hedonic rating test with specimen evaluation card
7. Explain the quality Control
8. Explain the principles of the following
 - a. Adams consistometer
 - b. Bostwick consistometer

III. SHORT ANSWER **10 X 3 = 30 marks**

9. Define HACCP
10. Classify food preservative with suitable example
11. Define Food Additive
12. List any six objectives of quality control
13. Mention any six principle preservative with their properties and uses in current use
14. Expand TQM, BIS, ISO, GMP
15. List major categories of food additives with examples
16. Classify preservatives and enumerate class 1 preservatives
17. Define threshold and enumerate three types of thresholds
18. Define Shortometer.