

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



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

Fifth Year, Semester- IX, March 2026 Examination

Time- 3:00 Hrs

[Max Marks: 100]

FOOD PRODUCT DEVELOPMENT

QP Code: N9600

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

I. LONG ESSAY

2X20= 40 Marks

1. Explain the screening process in food product development.
Discuss the role of feasibility analysis, consumer studies, and financial review in selecting suitable product ideas.
(2 × 10 = 20)
2. Explain the phases involved in food product development.
Describe idea generation and screening in detail, including sources and methods of idea generation.
(3 + 7 + 10)

II. ESSAY

6X10=60 Marks

3. Describe consumer studies used during screening and explain their role in product selection.
4. Explain the external sources of idea generation for new food products with examples.
5. Describe repositioned existing products with advantages and limitations.
6. Write an essay on assessing the need for new product development from
 - a. Consumer perspective
 - b. Market perspective
 - c. Technological perspective
 - d. Corporate and social perspective
7. Describe idea generation in food product development. Explain its sources and methods.
8. Explain feasibility analysis in screening of new food products, highlighting technical, market, operational, and regulatory feasibility.



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M.Sc. II YEAR Semester – IX March 2026 Examination

TIME- 3 HRS

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NUTRITION IN CRITICAL CARE
QP CODE: N9610

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I. Long Essay

2X20 = 40 Marks

1. Define Sepsis and Explain the Aetiology, Risk Factors, Pathophysiology and Nutritional Requirements for Sepsis. (2+3+4+6+5)
2. Define Enteral nutrition and explain its route of access, administration and selection of enteral formula (3+7+5+5)

II. Short Essay

6X10 = 60 Marks

3. Define Trauma. Discuss its Etiology and nutritional guidelines for Trauma
4. Define refeeding syndrome. Illustrate the complications of enteral and parenteral feedings.
5. Explain the pathophysiology, clinical and metabolic aspects of Acute Kidney Injury.
6. Explain the causes and medical nutritional therapy for cancer
7. Explain the role of immuno-enhancers and immuno-suppressants in HIV infected patients.
8. Explain the process of Nutritional Intervention in critically ill patients.