



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 2024 Examination

Time- 2 1/2 Hrs

[Max Marks: 80]

APPLIED NUTRITION- II

QP Code: N3412

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

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

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)

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 sodium
15. Define Pernicious Anemia
16. Define Spina bifida
17. List the ultra-trace minerals
18. Define Hyperphosphatemia



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Time – 2½ Hrs.

[Max Marks: 80]

MEDICAL NUTRITION MANAGEMENT-I
QP Code: N 3421

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

LONG ESSAY

2x10= 20 Marks

1. Define diarrhea. Describe the dietary management for traveler's diarrhoea
2. Define viral hepatitis. Explain the nutritional therapy for viral hepatitis

SHORT ESSAY

6x5= 30 Marks

3. Draw a neat labeled diagram of digestive system
4. Explain the effects of nutrients on drug distribution and metabolism
5. Explain the dietary principles to be followed in typhoid fever
6. Describe the importance of SGA in nutritional evaluation
7. Discuss the dietary recommendations for people with Diabetes
8. Explain the nutritional therapy for PKU

SHORT ANSWER

10x3= 30 Marks

9. Define IGT and IFG
10. List any four causes of ESLD
11. Define mal absorption syndrome
12. Name the Types of dysentery
13. Name any four factors involved in peptic ulcer
14. List the generalized sign and symptoms of influenza
15. Define esophgitis
16. Drug effects on nutrient absorption and metabolism
17. Mention the dietary principles in influenza
18. Describe the dietary modifications to be followed in ESLD



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March 2024 Examination

Time- 2 ½ Hrs

[Max Marks: 80]

NUTRITION THROUGH LIFE SPAN- I

QP Code: N3431

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

LONG ESSAY

2x10=20 Marks

1. Define Premenstrual syndrome. Discuss the role of weight reduction and stress management in Premenstrual syndrome
2. Mention the functional units of mammary gland. Explain the hormonal control and milk secretion during lactation.

SHORT ESSAY

6x5=30 Marks

3. Discuss the impact of acute under nutrition in female fertility
4. Explain the nutritional management for women with Polycystic Ovary Syndrome
5. Discuss the role of folic acid in pregnancy outcome
6. Discuss the nutritional intervention for the prevention of pre-eclampsia
7. Explain the stages of Lactogenesis
8. Define Letdown failure. Explain the management of Hyperactive Letdown

SHORT ANSWER

10x3=30 Marks

9. Define breastfeeding jaundice
10. Mention the treatment of plugged duct
11. Define reflexes. Mention its types
12. List any four low Glycemic Index (GI) Foods
13. Define Hyperplasia and hypertrophy
14. Name any three biological bases of infertility in obese men and women
15. Define Antioxidant. Give an examples
16. Mention any three Martin and Krebs recommend techniques to help women relax and enhance letdown
17. List the risk factors associated with Multifetal pregnancy
18. List the low Glycemic Index (GI) Foods



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INTEGRATED BSc –MSc CLINICAL NUTRITION AND DIETETICS (CND)

Second Year Semester-III

March 2024 Examination

Time- 2 ½ 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

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

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

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



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INTEGRATED BSc –MSc CLINICAL NUTRITION AND DIETETICS (CND)

II YEAR Semester-III March 2024 Examination

TIME- 2 ½ 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

LONG ESSAY

2 x 10 = 20 marks

1. Expand FPO and explain its functions
2. Describe incidental contaminants and their harmful effects on body

SHORT ESSAY

6 x 5 = 30 marks

3. Explain quality parameters with respect to quality of design, conformance and use
4. Discuss the importance of antioxidants in food industry
5. Explain chelating agents used in food industry
6. Define score card and hedonic scale and give two circumstances in which it can be used
7. Explain all five physico- chemical methods of objective sensory evaluation of foods
8. Discuss relationship between additives and food safety

SHORT ANSWER

10 x 3 = 30 marks

9. Differentiate between quality control and quality assurance
10. Define humectants with three examples and list its function
11. Classify and define the different types of panel members
12. Differentiate between difference tests and descriptive tests of sensory evaluation
13. List any six orders along with the establishment year that regulates food laws in India
14. Define quality control and quality assurance
15. List six synthetic colours permitted to be used in foods under PFA rules
16. Expand and define PFA and ISO
17. Define and Classify sweeteners with examples
18. List six importance of sensory evaluation in food industry