

Question Paper

Exam Date & Time: 28-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. CLINICAL NUTRITION AND DIETETICS DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: CND2201 - MEDICAL NUTRITION THERAPY - II
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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|-----|---|------|
| 1) | Elaborate inflammatory bowel diseases? what are its causes? Explain the dietary management. | (20) |
| 2) | Discuss the drug food interaction on nutritional status, organ function, drug dosage and drug efficacy. | (20) |
| 3) | Explain Phenylketonuria and its dietary management. | (10) |
| 4) | Explain Glomerulonephritis, clinical symptoms and dietary management. | (10) |
| 5A) | Illustrate diet therapy in peptic ulcer. | (5) |
| 5B) | Outline the risk involved in drug-nutrient interactions. | (5) |
| 5C) | Analyse on the pathophysiology of COPD. | (5) |
| 5D) | Identify the causes and the dietary management in gout. | (5) |
| 5E) | Infer on Galactosemia Symptoms and signs. | (5) |
| 5F) | Infer on functions of the Kidney. | (5) |
| 6A) | Explain ORS and its administration. | (2) |
| 6B) | Explain dialysis and name two types. | (2) |
| 6C) | Name five foods high in fiber content. | (2) |
| 6D) | List the types of tuberculosis. | (2) |
| 6E) | Relate the effect of grapefruit on statin. | (2) |

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Question Paper

Exam Date & Time: 31-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. CLINICAL NUTRITION AND DIETETICS DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: CND2202 - QUALITY CONTROL
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain natural coloring agents in detail. | (20) |
| 2) | Elaborate the analytical sensory tests in detail. | (20) |
| 3) | Identify the various laboratories engaged in the collection of samples and analyses of foods. | (10) |
| 4) | List at least 5 articles normally adulterated, name the adulterant and tests for detection of adulterants. | (10) |

Short Notes:

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|-----|--|-----|
| 5A) | What are the challenges for food control authorities? | (5) |
| 5B) | Extend the main causes for food adulteration. | (5) |
| 5C) | Illustrate the benefits of good manufacturing practices. | (5) |
| 5D) | Explain the importance of food quality. | (5) |
| 5E) | Infer on panel management in sensory evaluation. | (5) |
| 5F) | Identify the drawbacks of inspection. | (5) |
| 6A) | Define adulterant. | (2) |
| 6B) | What are the primary ways a person can get micronutrients into their system? | (2) |
| 6C) | What is HACCP? | (2) |
| 6D) | What is food quality control? | (2) |
| 6E) | What is the difference between duo-tri test and triangle test? | (2) |

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Question Paper

Exam Date & Time: 05-Jun-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. CND DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: CND2241 - PROGRAM ELECTIVE - 1: NUTRITION FOR SPECIAL CHILDREN
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Estimate carbohydrate protein and fat requirement for the epilepsy case given below taking 4.1 ratio (10)
and 4 meals a day each.
Girl aged 4 years, weight 18.3 kg
Estimated Energy Recommendation=1360kcal
Estimated Protein Recommendation=12.8g/d
- 2) Discuss on cues to low oral-motor tone, picky eating and food jags in Down syndrome (10)

Short Note

- 3A) Elaborate on commonly reported aspects of selective eating in autism spectrum disorder (ASD) (5)
- 3B) Identify nutritional recommendation for ADHD to complement behaviour management. (5)
- 3C) Summarize different dietary therapies to treat Epilepsy (5)
- 3D) Analyze the mode of administration of nutritional support for children with cerebral palsy (5)
- 4A) Define developmental disability (2)
- 4B) Name three presentations Attention deficit hypersensitivity disorder (ADHD). (2)
- 4C) List any four example of sensory issue that could affect food preference and mealtime behaviour in Autistic spectrum disorders (ASD). (2)
- 4D) Recall self-feeding suggestions for the child with cerebral palsy. (2)
- 4E) What are the medical conditions that contributes to weight gain in Down syndrome? (2)

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Question Paper

Exam Date & Time: 05-Jun-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. CND DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: CND2242 - PROGRAM ELECTIVE - I : DIETETICS AND COUNSELLING
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

Descriptive

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| 1) | Discuss how social and cultural influences play a part in modifying the food choice. | (10) |
| 2) | Evaluate the responsibilities of nutrition counsellor. | (10) |

Short Note

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| 3A) | Outline the following
i) Objectives of nutrition communication
ii) Strategies of nutrition communication
iii) Identification of target groups | (5) |
| 3B) | Interpret three basic skills required for the process of diet counselling. | (5) |
| 3C) | Identify the objective, role and classification of teaching aids | (5) |
| 3D) | Analyze the classification of mass communication media | (5) |
| 4A) | Define perceived susceptibility and perceived severity | (2) |
| 4B) | List any four points for non-compliance to dietary advice | (2) |
| 4C) | Define pull chart and flip chart. | (2) |
| 4D) | Infer two advantages and disadvantages of nutrition food label. | (2) |
| 4E) | List the methods of presentation of selected communication media | (2) |

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