

Question Paper

Exam Date & Time: 23-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. CLINICAL NUTRITION AND DIETETICS DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: CND3203 - COMMUNITY NUTRITION
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

Descriptive

- 1) Discuss vulnerable groups and general dietary problems (20)
- 2) Elaborate on the following: (20)
 - i) Conceptualization phase in community nutrition programme planning
 - ii) Implementation process in community nutrition programme planning
- 3) Identify the objectives and function of National Institute of Nutrition (NIN) (10)
- 4) Explain direct intervention (short term strategy) and an indirect policy instrument through long term strategies for achieving the national goals (10)

Short Note

- 5A) Identify the levels of prevention in community nutrition (5)
- 5B) Examine Food security and its 3 important and closely related components (5)
- 5C) Interpret the types of Child Mortality (5)
- 5D) Discusses on the Methods used for food fortification with nutrients (5)
- 5E) Identify direct and indirect obstetric deaths. (5)
- 5F) Summarize on the biophysical assessment and merits and demerits (5)
- 6A) Define community nutrition (2)
- 6B) Name any two advantages of Biofortification (2)
- 6C) Define communication (2)
- 6D) Name any 2 Research focus of CFTRI (2)
- 6E) Define nutrition education (2)

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Question Paper

Exam Date & Time: 25-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. CLINICAL NUTRITION AND DIETETICS DEGREE EXAMINATION - MAY/JUNE 2024

SUBJECT: CND3221 - FOOD PRESERVATION

(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain food preservation by Irradiation. | (20) |
| 2) | Elaborate on the following:
i) Food packaging Techniques
ii) Packaging and consumer needs
iii) Forms of packaging | (20) |
| 3) | Justify the factors affecting heat destruction of microorganisms. | (10) |
| 4) | Outline the advantages and disadvantages of osmotic dehydration process. | (10) |
| 5A) | Discuss on chemical method of food preservation. | (5) |
| 5B) | Identify the points to be Considered before Freezing Food. | (5) |
| 5C) | Discuss on level of perishability the foods. | (5) |
| 5D) | Infer on Canning. | (5) |
| 5E) | Discuss on non-ionizing radiation. | (5) |
| 5F) | Identify the types of freezing. | (5) |
| 6A) | List any 4 basic purposes of food preservation. | (2) |
| 6B) | List the effects of pasteurization. | (2) |
| 6C) | Define freezer burn with an example. | (2) |
| 6D) | Name the 2 classes of food preservative with 1 example each as per FSSAI. | (2) |
| 6E) | Label the action of high temperature on Food preservation. | (2) |

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Question Paper

Exam Date & Time: 27-May-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. CLINICAL NUTRITION AND DIETETICS DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: CND3241 - PROGRAM ELECTIVE - I : NUTRITIONAL CONSIDERATION DURING DISASTERS
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

Descriptive

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| 1) | Discuss the nutritional advice for military operations in a high-altitude environment. | (10) |
| 2) | Assess how to meet the special nutritional needs of the most vulnerable persons in emergencies. | (10) |

Short Note:

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| 3A) | Analyze how to avoid food contamination during mass feeding activity. | (5) |
| 3B) | Identify the factors that should be considered when preparing rations? | (5) |
| 3C) | Analyze
i) Main Battle Tank (MBT) Ration
ii) Rations for Marine Commandos of Indian Navy | (5) |
| 3D) | Illustrate food technologists design and develop military rations. | (5) |
| 4A) | What is the role of protein and fat in military performance? | (2) |
| 4B) | List the composition and quantity of an emergency food ration that provides approximately 1700 Kcal. | (2) |
| 4C) | List the positive impacts of disaster displacement | (2) |
| 4D) | Why specific attention should be given to women and children during impoverishment? | (2) |
| 4E) | Infer on -
i) HDR
ii) MRE | (2) |

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Question Paper

Exam Date & Time: 27-May-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. CLINICAL NUTRITION AND DIETETICS DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: CND3242 - PROGRAM ELECTIVE - II : EATING BEHAVIOUR
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

Descriptive

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| 1) | Discuss the role of mood and emotions on food choice | (10) |
| 2) | Explain food product development and marketing ideas based on factors affecting choice of foods. | (10) |

Short Note

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| 3A) | Analyze the descriptions of the most common mindful eating practices | (5) |
| 3B) | Explain food insecurity experienced in older age | (5) |
| 3C) | Infer how food carvings affect the food choice | (5) |
| 3D) | Identify genetic influences on energy and nutrient intake | (5) |
| 4A) | Outline qualitative component in food insecurity. | (2) |
| 4B) | Define food choice | (2) |
| 4C) | List three aims of advertising | (2) |
| 4D) | What is decentering in mindful eating. | (2) |
| 4E) | Recall present moment awareness in mindful eating. | (2) |

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