

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 0122]

**JANUARY 2022**

**Sub. Code: 3021**

**(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)**

**B.Sc. CLINICAL NUTRITION  
THIRD YEAR – (Regulation from 2018-2019)  
PAPER-I COMMUNITY NUTRITION  
*Q.P. Code : 803021***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Discuss on nutrition and health in national development.
2. Explain the clinical features and dietary treatment of nutritional anemia.
3. Explain the food borne illness and its prevention.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Clinical features of kwashiorkor.
2. Factors contributing to overnutrition.
3. Dietary treatment for vitamin A deficiency.
4. Nutrition education themes.
5. CARE.
6. Postnatal care.
7. ICDS.
8. Indirect assessment of nutritional status.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Sampling techniques.
2. List the direct assessments.
3. Normal level of haemoglobin for adult men and women.
4. Sources of iron.
5. Methods of nutrition education.
6. Food enrichment.
7. Food frequency questionnaire.
8. Mid-upper arm circumference.
9. Keratomalacia.
10. Symptoms of food intoxication.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[AHS 0922]**

**SEPTEMBER 2022**

**Sub. Code: 3021**

**(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)**

**B.Sc. CLINICAL NUTRITION  
THIRD YEAR – (Regulation from 2018-2019)  
PAPER I - COMMUNITY NUTRITION  
*Q.P. Code : 803021***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the role of ICMR and ICAR in improving nutritional status.
2. Explain the diet survey methods.
3. What are the clinical features of vitamin A deficiency and how it can be prevented?

**II. Write notes on:**

**(8 x 5 = 40)**

1. Factors contributing to malnutrition.
2. Classification of nutritional Anemia and its prevention.
3. Food enrichment.
4. Nutritional Education in Antenatal care.
5. Prevention of food borne illness.
6. Importance of nutrition education.
7. School meal program.
8. Implementation of community nutrition program.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Diseases due to Obesity.
2. Beriberi.
3. Sources of protein.
4. Nutrient supplementation.
5. Food intoxication.
6. Expand ICDS, CFTRI, CARE.
7. Classification of Dehydration and uses of ORS.
8. Body mass index.
9. Symptoms of Anemia.
10. Symptoms and Management of Scurvy.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[AHS 0424]**

**APRIL 2024**

**Sub. Code: 3021**

**B.Sc. CLINICAL NUTRITION**  
**THIRD YEAR – (Regulation 2018-2019 onwards)**  
**PAPER I - COMMUNITY NUTRITION**  
*Q.P. Code: 803021*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. What are the causes of Protein Energy Malnutrition and discuss the prevention and dietary treatment of PEM?
2. Explain the evaluation of Community Nutrition Program.
3. Explain the methods of Nutrition Education.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Clinical features of Vitamin A deficiency.
2. Anthropometric measurement.
3. Food fortification.
4. Immunization.
5. Prevention of food borne diseases.
6. Role of WHO in nutritional improvement.
7. Beneficiaries, health services by Integrated Child Development Services (ICDS).
8. Dietary management of nutritional anemia.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Overnutrition.
2. Biochemical Evaluation in Nutritional assessment.
3. Food balance sheet.
4. Marasmus.
5. Functions of UNICEF.
6. Diet survey.
7. Food Additives-Definition and give two examples.
8. Weaning foods.
9. Advantages of breast feeding.
10. Preparation of Visual aids.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 0125]

JANUARY 2025

Sub. Code: 3021

**B.Sc. CLINICAL NUTRITION**  
**THIRD YEAR – (Regulation 2018-2019 onwards)**  
**PAPER I - COMMUNITY NUTRITION**  
*Q.P. Code: 803021*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Epidemiology, clinical features, prevention and dietary treatment for Protein Energy Malnutrition.
2. Methods of Assessing Nutritional Status of a Community.
3. National Community Nutritional Programmes.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Anthropometric Measurements.
2. Food fortification with examples.
3. Integrated child development scheme (ICDS).
4. Community nutrition programme planning.
5. Diet surveys.
6. Antenatal diet advice.
7. Food borne diseases and its control measures.
8. Immunization schedule for under 5 years children.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Expansion of WHO, UNICEF, CARE, ICMR, ICAR, CSIR, CFTRI.
2. Vital statistics.
3. Health Problems of over nutrition.
4. Weaning.
5. Composition of breast milk.
6. Clinical features of Vitamin A deficiency.
7. Food balance sheet.
8. Nutritional Anaemia -causes.
9. Give four examples of Food adulteration.
10. Nutrition Education themes.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[AHS 0425]**

**APRIL 2025**

**Sub. Code: 3021**

**B.Sc. CLINICAL NUTRITION**  
**THIRD YEAR – (Regulation 2018-2019 onwards)**  
**PAPER I - COMMUNITY NUTRITION**  
***Q.P. Code: 803021***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:** **(3 x 10 = 30)**

1. Describe the epidemiology, clinical features, prevention and dietary management of Nutritional anaemia.
2. Describe modern methods of improving the nutritional quality of food.
3. Enumerate the Nutrition programmes in India under different sectors of the Indian Government.

**II. Write notes on:** **(8 x 5 = 40)**

1. Define Nutrition Education. Mention five key messages for maternal nutrition.
2. Name two common foodborne diseases and mention their prevention.
3. What is community nutrition planning? What are the steps involved?
4. Describe two anthropometric methods used for assessing nutritional status.
5. What is food fortification? Give two examples.
6. What is Food record / diary?
7. Differentiate between undernutrition and overnutrition with suitable examples.
8. What are the signs and symptoms of Vitamin A and Vitamin D deficiencies?

**III. Short answers on:** **(10 x 3 = 30)**

1. What is Community nutrition?
2. What are Bitot spots?
3. What is a poster?
4. Define food enrichment. Give two examples.
5. List out the strategies to combat community nutrition problems.
6. What is evaluation?
7. What are the common vaccine preventable diseases? What is the national immunization schedule for polio?
8. What is the vicious cycle of malnutrition?
9. PDS (Public Distribution System and TPDS (Targeted Public Distribution System).
10. List three socio-economic factors that contribute to malnutrition.

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**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

[AHS 1125]

NOVEMBER 2025

Sub. Code: 3021

**B.Sc. CLINICAL NUTRITION**  
**THIRD YEAR – (Regulation 2018-2019 onwards)**  
**PAPER I - COMMUNITY NUTRITION**  
*Q.P. Code: 803021*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the epidemiology, clinical features, prevention and dietary management of Vitamin Deficiency disorder.
2. Briefly describe key nutrition-related welfare programmes.
3. Discuss the methods to prevent foodborne infections and infestations.

**II. Write notes on:**

**(8 x 5 = 40)**

1. What are the visual aids used for Nutritional Education?
2. Explain about the Food Frequency Questionnaire.
3. Give an account of one food borne disease.
4. Discuss the importance of vital statistics in assessing community nutrition.
5. What are the indirect Nutrition Programme?
6. Diet history.
7. What is Weaning? Give details.
8. Describe prevention and dietary treatment of Nutritional anaemia.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Define Health and Community nutrition.
2. Name three national organizations working for nutrition in India.
3. Explain foodborne infection and infestation with examples.
4. Define food enrichment. Give two examples.
5. What are the objectives of Nutrition Education?
6. What is the treatment dose of Vitamin A deficiency?
7. Define immunization and its importance.
8. What is flipchart?
9. What is food security?
10. Write on important aspects of evaluating a community nutrition programme.

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