

[LF 1014]

OCTOBER 2014

Sub. Code: 1314

M.Sc. (CLINICAL NUTRITION) DEGREE EXAMINATION

(From 2012-2014 Batch onwards)

SECOND YEAR

PAPER IV – PUBLIC NUTRITION

Q.P. Code: 281314

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Ecology, prevalence, clinical manifestations and treatment of PEM.
2. Assessment of nutritional status in individuals.

II. Write Short notes on:

(10 x 6 = 60)

1. Concept and scope of community nutrition.
2. Clinical features of vitamin A deficiency.
3. Food security.
4. Food fortification.
5. FAO.
6. SNP and ANP.
7. Importance of nutrition education.
8. Common adulterants in food.
9. Water pollution.
10. Role of agriculture in nutrition.

[LH 0415]

OCTOBER 2015

Sub. Code: 1314

M.Sc. (CLINICAL NUTRITION) DEGREE EXAMINATION

(From 2012-2014 Batch onwards)

SECOND YEAR

PAPER IV – PUBLIC NUTRITION

Q.P. Code: 281314

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Hazards to community health due to adulteration and toxins present in food.
2. Ecology, prevalence, clinical manifestation and treatment of Protein Energy Malnutrition.

II. Write Short notes on:

(10 x 6 = 60)

1. Food security.
2. Assessment of nutritional status of individuals.
3. Causes of iron deficiency anaemia.
4. Mid-day meal program.
5. International organizations to prevent malnutrition.
6. Nutrition education methods.
7. Clinical features of vitamin A deficiency.
8. Post harvest losses.
9. Prevention of Iodine deficiency disorder.
10. Food fortification and enrichment.

[LJ 1016]

OCTOBER 2016

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION EXAMS
SECOND YEAR
PAPER IV – PUBLIC NUTRITION**

Q.P. Code : 281314

Time : Three hours

Maximum : 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Explain current nutritional problems in India, mention ecology, prevalence, clinical manifestation and treatment of Nutritional anaemia.
2. Explain NNP, write short term and long term objectives, what are the steps taken under NNP regarding iodine deficiency and Vitamin A deficiency?

II. Write notes on: (10 x 6 = 60)

1. Anthropometric measurement.
2. Protein energy malnutrition.
3. Food hygiene and sanitation.
4. Role of nurse in nutritional programmes with reference to mid day meal programmes.
5. How does ICAR help in combating malnutrition in India?
6. Discuss the achievements of UNICEF in relation to nutrition.
7. Water borne disease.
8. Agencies to control food losses.
9. Define therapeutic diet, what are the factors to be considered in preparing diet?
10. History and achievements of NIN.

[LK 0517]

MAY 2017

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION EXAMS
SECOND YEAR
PAPER IV – PUBLIC NUTRITION**

Q.P. Code : 281314

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Methods of nutrition education.
2. Food fortification and enrichment.

II. Write notes on:

(10 x 6 = 60)

1. Food security.
2. Nutritional and non nutritional indicators of nutritional status of an individual.
3. Relation between malnutrition and infection.
4. Objectives of school lunch programme.
5. Clinical signs of Vitamin A deficiency.
6. Role of WHO and ICAR in combating malnutrition.
7. Adulterants present in food.
8. Evaluation of nutrition education programme.
9. Treatment of protein energy malnutrition.
10. Pollution of water.

[LL 1017]

OCTOBER 2017

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION EXAMS
SECOND YEAR
PAPER IV – PUBLIC NUTRITION**

Q.P. Code : 281314

Time : Three hours

Maximum : 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Define Nutrition Education? Write in detail on importance of nutrition education and discuss the principles of planning, executing and evaluating nutrition education programs in India.
2. Discuss the current nutritional problems in India and list out the measures taken to overcome malnutrition in India.

II. Write notes on: **(10 x 6 = 60)**

1. How to control food losses during post harvest handling?
2. Mention the scope of community nutrition.
3. Write about the prevalence, clinical manifestation and treatment of Vitamin A deficiency.
4. Discuss the role of FAO and WHO in relation to nutrition.
5. List out the adulterants in food.
6. Explain the role of food technology in agricultural planning and productivity.
7. Write the objectives of National nutrition policy in India.
8. Enumerate DFRL role in combating malnutrition.
9. Food Security.
10. How does Food Enrichment helps to overcome malnutrition?

[LN 1018]

OCTOBER 2018

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION EXAMS
SECOND YEAR
PAPER IV – PUBLIC NUTRITION**

Q.P. Code : 281314

Time : Three hours

Maximum : 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Explain in detail the importance and methods of nutrition education. How to train the workers in nutrition education programs?
2. Discuss the common nutritional problems and its prevention and treatment.

II. Write notes on: **(10 x 6 = 60)**

1. Explain food security.
2. Discuss the role of agricultural production to overcome malnutrition.
3. Explain the dietary methods to assess the nutritional status.
4. Write down the clinical features of kwashiorkor and marasmus.
5. Discuss the importance of assessment of nutritional status.
6. Explain food fortification and enrichment.
7. What are the causes of air pollution and how to control it?
8. Discuss about nutrition intervention programs.
9. Enumerate the role of NIN and CFTRI to combat malnutrition.
10. Discuss the health hazards of adulterants.

[LP 1019]

OCTOBER 2019

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION EXAMS
SECOND YEAR
PAPER IV – PUBLIC NUTRITION**

Q.P. Code : 281314

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Role of International organizations to combat malnutrition.
2. Meaning, methods and importance of nutrition education.

II. Write notes on:

(10 x 6 = 60)

1. Population growth and its effect on food availability.
2. Anthropometric assessments of individuals.
3. Treatment of PEM.
4. Environment sanitation and hygiene to overcome malnutrition.
5. CARE and CWS.
6. Air pollution and its effect on health.
7. Malnutrition and infection.
8. Mid-day meal program.
9. Clinical manifestation of Vitamin A deficiency.
10. Food security.

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

[AHS 0321]

MARCH 2021

Sub. Code: 1314

(OCTOBER 2020 EXAM SESSION)

M.Sc. CLINICAL NUTRITION

SECOND YEAR (From 2012-2014 onwards)

PAPER IV – PUBLIC NUTRITION

Q.P. Code : 281314

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What is direct calorimetry ? Give the method for estimating the energy expenditure by direct calorimetry.
2. Write the prevalence and clinical manifestation and treatment of Vitamin K deficiency.

II. Write notes on:

(10 x 6 = 60)

1. Explain the factors affecting BMR.
2. Give the physiological changes associated with ageing. Write about RDA of geriatric people.
3. Discuss in detail on the role of nutrients in immune suppression.
4. Write in detail on pre and post-surgical treatment of Steatorrhoea.
5. Give in detail on nutritional management of eating disorders like:
a) Bulimia b) Anorexia nervosa
6. What are the factors that affect the food choices of menu planning.
7. Explain in detail on prebiotics and its health benefits in health.
8. Write in detail on regulation of water balance in the body.
9. List out the nutritional management of Epilepsy diseases.
10. Discuss the role of FAO and WHO related to nutrition.

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[AHS 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2012-2014 onwards)
PAPER IV – PUBLIC NUTRITION
*Q.P. Code : 281314***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the various components of energy expenditure, highlighting the factors that influence energy expenditure and requirement.
2. Give the causes, pathogenesis and dietary management of Coronary heart diseases.

II. Write notes on:

(10 x 6 = 60)

1. Write the role of nutrients in immune promotion.
2. Explain the nutritional management of high risk pregnancies.
3. Give the factors affecting glycemic index of foods.
4. Enumerate in detail on the energy requirements during lactation.
5. What are the types of Fiber and give the health benefits of fiber.
6. List out the role of specific nutrients and alcohol in liver diseases.
7. Give in detail on regulation of food intake and pathogenesis of obesity.
8. Write on CFTRI and NIN related to public and health nutrition.
9. List out the planning diet for individual with hypertension.
10. What about the phenylketonuria and its nutritional management.

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[AHS 1022]

OCTOBER 2022

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2012-2013 & 2020-2021 onwards)
PAPER IV – PUBLIC NUTRITION
Q.P. Code : 281314**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the causes, consequences and treatment of PEM.
2. Write an essay on programmes for control of malnutrition in India.

II. Write notes on:

(10 x 6 = 60)

1. Role of Public Nutritionist in health care delivery.
2. Factors that affect food behaviour.
3. Strength and limitations of 24-hour recall.
4. Salient features of Mid-day meal programme.
5. Vitamin B complex deficiency.
6. Methods of nutrition education.
7. Iodine and vitamin D deficiency.
8. Common measurements used in Nutritional anthropometry.
9. Toxicants present in foods.
10. Food fortification.

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2020-2021 onwards)
PAPER IV – PUBLIC NUTRITION**

Q.P. Code: 281314

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the causes, consequences and treatment of Iodine deficiency disorders.
2. Write an essay on methods of direct and indirect nutritional assessment.

II. Write notes on:

(10 x 6 = 60)

1. Multiple causes of malnutrition.
2. National Nutrition Policy.
3. Strategies to prevent Vitamin A deficiency.
4. Signs, symptoms and causes of iron deficiency anaemia.
5. ICDS scheme.
6. Nutritional anthropometry.
7. Clinical signs of Vitamin - A deficiency.
8. Food frequency method.
9. National Nutrition Monitoring Bureau.
10. Prevention and control of PEM.

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

[AHS 1024]

OCTOBER 2024

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2020-2021 onwards)
PAPER IV – PUBLIC NUTRITION**

Q.P. Code: 281314

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the causes, consequences and treatment of Vitamin A deficiency.
2. Write an essay on assessment of dietary intake of individuals.

II. Write notes on:

(10 x 6 = 60)

1. National nutrition policy.
2. Dietary management of PEM.
3. Food frequency method.
4. Salient features of ICDS.
5. Nutrition education.
6. National prophylaxis programme for Iodine deficiency.
7. Food security.
8. Causes and prevention of folic acid and vitamin B12 deficiency.
9. Indirect assessment of nutritional status.
10. Strategies to combat malnutrition.

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

[AHS 1025]

OCTOBER 2025

Sub. Code: 1314

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2020-2021 onwards)
PAPER IV – PUBLIC NUTRITION**

Q.P. Code: 281314

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Adulteration, Types of adulteration, common adulterants and its hazard on human health.
2. Assessment of nutritional status by anthropometric measurements.

II. Write notes on:

(10 x 6 = 60)

1. Control of food losses.
2. Sources and deficiency of niacin.
3. Clinical features of anemia and sources of iron rich foods.
4. Measures to improve environmental sanitation.
5. Mid-day meal program.
6. Food toxins and its hazard to community health.
7. Importance of nutrition education.
8. Role of national organisations to combat malnutrition.
9. Prevention of obesity.
10. Role of food technology to overcome malnutrition.
