

[LF 1014]

OCTOBER 2014

Sub. Code: 1312

M.Sc. (CLINICAL NUTRITION) DEGREE EXAMINATION

(From 2012-2014 Batch onwards)

SECOND YEAR

PAPER II – CLINICAL NUTRITION AND DIETETICS

Q.P. Code: 281312

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Write about dietary treatment in ischemic heart disease.
2. Define Hepatitis, causes, signs symptoms and complications of the diseases.

II. Write Short notes on:

(10 x 6 = 60)

1. Define and explain the difference between enteral and parenteral feeding.
2. Discuss about any Six Main inborn errors of metabolism.
3. Define food allergy and its diagnosis, effects among the newborn babies.
4. Define-Esophagitis, Hemorrhoids, Steatorrhoea, Celiac Sprue, Dysphagia, Epilepsy.
5. Explain the role of case study methods in clinical trials.
6. Define nutritional assessment and explain anthropometric measurements.
7. Write a short note on nutritional intervention and diet modifications.
8. Roll of Dietitian in a multispecialty Hospital.
9. Discuss the roll of fat in the development of atherosclerosis.
10. Write about the signs and symptoms of peptic ulcer.

M.Sc. (CLINICAL NUTRITION) DEGREE EXAMINATION

(From 2012-2014 Batch onwards)

SECOND YEAR

PAPER II – CLINICAL NUTRITION AND DIETETICS

Q.P. Code: 281312

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Plan and calculate the vegetarian diet for 60 yrs HTN male (Ht – 172 cm/wt-87).
BP – 160/100 mmHg total cholesterol 275mg/dl, triglycerides -340 mg/dl, HDL 44 mg/dl/
VLDL – 41 mg/dl and LDL – 170 mg/dl.
2. Write short notes on the following:
 - (a) Goals of nutritional care in neurological disorders.
 - (b) Phenyl ketonuria – dietary Counselling.
 - (c) Nutrition medical therapy for a burn patient.
 - (d) Dietary management of cancer patients.

II. Write Short notes on:

(10 x 6 = 60)

1. What are the complications of tube feeding?
2. What is Enteral & parenteral Nutrition?
3. Give a diet plan for patients recovering from TB?
4. Describe the Nutritional problem in HIV patients.
5. Write note on bleeding ulcer.
6. What is dumping syndrome.
7. How to you prevent constipation?
8. What is coeliac disease? What are the foods to be avoided in this condition?
9. Write a note on Hepatic Encephalopathy and dietary management.
10. What is meant by pancreatitis and signs & symptoms? What are all foods to be avoided?

[LJ 1016]

OCTOBER 2016

Sub. Code: 1312

**M.Sc. CLINICAL NUTRITION EXAMS
SECOND YEAR
PAPER II – CLINICAL NUTRITION AND DIETETICS**

Q.P. Code : 281312

Time : Three hours

Maximum : 100 Marks

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

1. Define Diabetes mellitus. Explain the etiology, classification, symptoms, complications and its nutritional management of diabetes.
2. List out the types and nutritional management of inborn errors of metabolism.

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

1. Explain the metabolic changes occurs in body during fever.
2. What is TB? Mention the etiology and dietary management of TB.
3. Define the following:
a) Dyspepsia b) Diverticular diseases c) Tropical Sprue
d) Cholelithiasis e) Bulimia
4. Explain in detail for the following:-
a) GERD b) Dumping Syndrome
5. What is Obesity? Write in detail on its pathogenesis and its nutritional management of obesity.
6. List out the dietary factors responsible for causing the cancer.
7. Write in detail on its types and complications of food allergy during infancy.
8. Enumerate the role of dietitian in nutrition therapy for ill patients.
9. Mention the regulatory factors involved in controlling the food intake and appetite.
10. Explain the different methods of nutrition education to counsel the patient.

[LL 1017]

OCTOBER 2017

Sub. Code: 1312

**M.Sc. CLINICAL NUTRITION EXAMS
SECOND YEAR
PAPER II – CLINICAL NUTRITION AND DIETETICS**

Q.P. Code : 281312

Time : Three hours

Maximum : 100 Marks

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

1. Write about dietary management in Ischemic heart disease.
2. Define Hepatitis, causes, signs and symptoms and complications of the disease.

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

1. Discuss about any six main inborn errors of metabolism.
2. Define and explain the difference between enteral and parenteral feeding.
3. Define food allergy, its diagnosis, effects among the new born babies.
4. Define Esophagitis, hemorrhoids, steatorrhoea and celiac spruce.
5. Explain the role of case study method in clinical trials.
6. Define nutritional assessment and explain anthropometric measurements.
7. Write a short note on nutritional intervention and diet modification.
8. Discuss the role of dietician in a multi-speciality hospitals.
9. Discuss the role of fats in the development of atherosclerosis.
10. List out the signs and symptoms of peptic ulcer.

[LN 1018]

OCTOBER 2018

Sub. Code: 1312

**M.Sc. CLINICAL NUTRITION EXAMS
SECOND YEAR
PAPER II – CLINICAL NUTRITION AND DIETETICS**

Q.P. Code : 281312

Time : Three hours

Maximum : 100 Marks

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

1. Define Peptic Ulcer. List out the causes, signs, symptoms, complications and its nutritional management of Peptic Ulcer.
2. Write about the pathophysiological, metabolic and nutritional implications of Pancreatitis.

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

1. Define food allergy. List out the symptoms and mechanism of food allergy.
2. Give the dietary management for the following: a) Dysphagia b) Epilepsy.
3. List out the factors responsible for causing the acute and chronic Nephritis.
4. Enumerate the regulation of food intake and its pathogenesis of Obesity.
5. Explain the physiological, functional and its nutritional management on different types of Malabsorption syndrome.
6. What is Dyslipidemia? Write in detail on its pathogenesis, metabolic and dietary factors that prevents the dyslipidemia.
7. Mention the dietary, lifestyle and nutritional management in eating disorders.
8. Explain in detail on nutritional screening and nutritional status assessment of the critically ill.
9. Write in detail on effect of food, nutrients and nutritional status on absorption and metabolism of drugs.
10. Give a detailed note on etiology, signs, symptoms and dietary treatment on Arthritis.

[LP 1019]

OCTOBER 2019

Sub. Code: 1312

**M.Sc. CLINICAL NUTRITION EXAMS
SECOND YEAR
PAPER II – CLINICAL NUTRITION AND DIETETICS**

Q.P. Code : 281312

Time : Three hours

Maximum : 100 Marks

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

1. Discuss on pathogenesis, role of nutrients, therapies and side effects of treatment for cancer in detail.
2. Explain the etiology, risk factors and nutrition management of Coronary Heart Disease.

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

1. Write on adequate normal diet as a basis for therapeutic diet and modification of normal diet.
2. Mention the resources and aids for nutrition education and diet counselling.
3. Elaborate on types and complications of enteral nutrition.
4. What are the metabolic changes in fever? Give the nutritional management for Tuberculosis.
5. Explain pre and post surgical dietary management in brief.
6. Outline the etiology and dietary treatment for peptic ulcer.
7. Enumerate on pathophysiological changes and nutritional management for pancreatitis.
8. Explain the following in brief : P K U, M S U D and Glycogen storage diseases.
9. Write short notes on control of appetite and food intake in weight management.
10. Discuss on food allergy in infancy and its prevention.

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

[AHS 0321]

MARCH 2021

Sub. Code: 1312

(OCTOBER 2020 EXAM SESSION)

M.Sc. CLINICAL NUTRITION

SECOND YEAR (From 2012-2014 onwards)

PAPER II – CLINICAL NUTRITION AND DIETETICS

Q.P. Code : 281312

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about carcinogenesis, cancer therapies and treatments, its side effect and nutritional managements.
2. Mr.X 50year old, who is known case of chronic liver disease. Height-160 cm, Weight-40kg, albumin 2g/dl, What is the dietary principles for this patient? Plan a day's menu and write about foods to be avoided.

II. Write notes on:

(10 x 6 = 60)

1. Define nephrolithiasis, write about the dietary risk factor for it, explain about acid ash diet and alkaline ash diet.
2. Explain in detail about the objectives and nutritional management for protein losing enteropathy.
3. Explain the followings
 - a) Dyslipidemia
 - b) DASH diet
 - c) Atherosclerosis
4. What are the steps involved in the nutritional care plan process and briefly explain each process.
5. Write short notes on the followings
 - a) Elimination diet
 - b) Anorexia nervosa
 - c) Bulimia
6. Plan a day's menu for a man who is recently diagnosed to have HIV positive, he lost 10 kg weight in 3 months Height 158cm Weight 35kg.
7. What is the difference between
 - (i) Hypoglycemia and Reactive hypoglycemia.
 - (ii) Dawn phenomenon and Somogyi effect.
8. Discuss about physical characteristic of enteral formulas and what are advantages of home-based formulas?
9. Nutritional management and dietary intervention for patient with 25% of burns.
10. Explain the following inborn errors of metabolism with dietary management
 - a) Galactosemia
 - b) Glycogen storage disease

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[AHS 0122]

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

Sub. Code: 1312

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2012-2014 onwards)
PAPER II – CLINICAL NUTRITION AND DIETETICS
Q.P. Code : 281312**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about coronary heart diseases under the following headings:
a) Aetiology b) Diagnosis c) Nutritional management d) Prevention
2. Mr.X35-year-old male, whose biochemical parameters reveals Hb -12mg%, serum cholesterol 300mg% Height-168 cm, Weight-60kg. Plan a day's menu, calculate macro nutrients and write about foods to be avoided.

II. Write notes on:

(10 x 6 = 60)

1. What is ketogenic diet and explain its role in prevention of epilepsy. Write down its principles.
2. Write about the complication of irritable bowel diseases and what are the dietary recommendations for crohn's disease with stricture.
3. Write in detail about hormones which aids and regulate appetite.
4. Write about few commonly used nutritional tools to assess nutritional status of patients.
5. Explain the followings:
a) GERD b) Peptic ulcer c) Pancreatitis d) Constipation e) Gastritis
f) Dyspepsia
6. Define Gout, what are the dietary managements for hyperuricemia?
7. What is drug and nutrient interaction, explain with few examples of effect of nutrient on drug absorption.
8. Explain Wilson's diseases. Write in details about nutritional goals.
9. What are the metabolic changes occurs during fever? What are dietary considerations you would recommend?
10. Discuss on food allergy in infants and its prevention.

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 1312

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2012-2013 & 2020-2021 onwards)
PAPER II – CLINICAL NUTRITION & DIETETICS
Q.P. Code : 281312**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Diabetes mellitus. Explain the aetiology, classification, symptoms, complications and its nutritional management of diabetes.
2. What is cancer? Explain the risk factors of cancer and what are the dietary modifications required while treating cancer patients?

II. Write notes on:

(10 x 6 = 60)

1. Write in detail about hormones which aids and regulate appetite.
2. Explain the stages of HIV infections and its clinical manifestations.
3. Explain the physiological and metabolic changes during stress.
4. Describe how can we enhance immunity after surgery?
5. Explain the classifications of burns and its nutritional management.
6. Write on the clinical changes and nutrition therapy of Phenylketonuria.
7. Discuss the different types of tube feeds used.
8. Describe the pathophysiology of atherosclerosis and its nutritional management.
9. Explain the importance of nutritional care in hospitalized patients.
10. Explain the importance of nutritional management in epilepsy.

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 1312

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2020-2021 onwards)
PAPER II – CLINICAL NUTRITION & DIETETICS**

Q.P. Code: 281312

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the causes, symptoms and nutritional requirements for the patients suffering from acute and chronic renal failure.
2. Define Hypertension. State the types of hypertension. What are the underlying causes of Atherosclerosis? Discuss the dietary guideline for the prevention and treatment of Atherosclerosis.

II. Write notes on:

(10 x 6 = 60)

1. Differentiate between type I and type II diabetes mellitus. What type of dietary care should be taken for the patients suffering from type II diabetes?
2. What is Hepatitis? Discuss the basic dietary management of hepatitis.
3. Define flatulence. Discuss the aetiology, clinical manifestation and its dietary management.
4. What is the significance of pre-operative diet? Discuss the reasons for increased protein requirements after surgery.
5. Discuss the pathophysiology of fever. Explain its causes, symptoms and nutritional requirement during long term fever.
6. Discuss various types of enteral nutrition. Discuss the drawbacks of long term use of enteral feeding.
7. Differentiate between (a) Bulimia Nervosa and Anorexia Nervosa, (b) Clear fluid and full fluid diet and (c) Duodenal Ulcer and Gastric Ulcer.
8. Define obesity. Discuss its causes, symptoms and dietary management.
9. Explain on the causes, symptoms and dietary management of osteoporosis.
10. Write in detail on effect of food, nutrients and nutritional status on absorption and metabolism of drugs.

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

[AHS 1024]

OCTOBER 2024

Sub. Code: 1312

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2020-2021 onwards)
PAPER II – CLINICAL NUTRITION & DIETETICS
Q.P. Code: 281312**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss briefly the causes and progression of cancer, the role of nutrition, foods, and food additives in cancer, cancer therapy and its clinical and metabolic implications.
2. Elaborate the causes, clinical features, complications and nutritional management of viral hepatitis and cirrhosis of the liver.

II. Write notes on:

(10 x 6 = 60)

1. What do you mean by enteral nutrition and parenteral nutrition? Discuss the conditions in which they are preferred?
2. Define obesity. Write two important methods implemented for assessment of obesity. Discuss the dietary management of an obese adult person. What are the advantages of losing weight?
3. What do you mean by GERD? Discuss its causes, symptoms and dietary management.
4. Discuss the pathophysiology of fever. Explain its causes, symptoms and nutritional requirement during long term fever.
5. Discuss the nutritional therapy during cholelithiasis and cholecystitis.
6. Discuss about the factors which influence the Glycemic index. Write in brief about the Oral Hypoglycaemic Agents.
7. Discuss the role of diet in prevention of heart diseases. Plan a day menu for a patient suffering from hypertension.
8. Write the risk factors for the development of kidney stones. Discuss in brief the different type of kidney stones. What should be the dietary modifications for the treatment of kidney stone disease?
9. Define food allergy. Discuss its mechanism.
10. Write in detail on effect of food, nutrients and nutritional status on absorption and metabolism of drugs.

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

[AHS 1025]

OCTOBER 2025

Sub. Code: 1312

**M.Sc. CLINICAL NUTRITION
SECOND YEAR (From 2020-2021 onwards)
PAPER II – CLINICAL NUTRITION & DIETETICS
Q.P. Code: 281312**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the followings:
 - a) Enteral nutrition and different types of Enteral nutrition formulas.
 - b) Physical characteristic of Enteral formulas.
 - c) How do you address Enteral feeding complications?
 - d) Discuss the advantages and disadvantages of home based and commercial formulas.
2. Mr.X 35year old, who is diagnosed with Pulmonary Tuberculosis Height-170 cm, Weight-40kg, what is the dietary principles and nutritional goals? Plan and calculate a day's menu and list the foods to be avoided and included?

II. Write notes on:

(10 x 6 = 60)

1. What are the physiological changes associated with HIV infection? Write down the dietary managements for HIV infection.
2. Explain in detail about the objectives and nutritional management for Protein losing enteropathy.
3. Dawn phenomenon and Somogyi effect.
4. Write about the dietary guidelines and nutritional management for Dumping Syndrome.
5. Write short notes on the followings:
 - a) Constipation b) Diarrhea
6. Plan a day's menu for a man who is recently diagnosed and treated with Irritable bowel Syndrome. List the foods to be avoided Height -178cm Weight-50kg Albumin 2 g/dl.
7. What is Hepatic Encephalopathy? Write about the nutritional intervention and dietary principles.
8. Outline the aetiology and dietary advice for Wilson's disease.
9. Differentiate between Galactosemia and Lactose Intolerance.
10. Explain the following inborn errors of metabolism with dietary management.
 - a) Phenylketonuria (PKU) b) Maple Syrup Urine Disease (MSUD).
