

[LH 0815]

AUGUST 2015

Sub.Code :1307

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain the purpose, equipments and procedure of collecting urine specimen for culture.
2. Plan a day's diet with food's to be included and avoided for a person with Acute Renal Failure, who is on hemodialysis, aged 40, pure vegetarian and moderate worker.
3. Define decubitus ulcer. Mention its causes, prevention and management.

II. Write Notes on:

(8 x 5 = 40)

1. Rights of medication administration.
2. Factors affecting food and nutrition.
3. Care of client with indwelling catheter.
4. Enumerate the functions of protein.
5. Explain the types of beds.
6. Describe regulation of body water and electrolytes.
7. Write the purpose of client records.
8. Explain nutritional anemia in detail.

III. Short Answers on:

(10 x 3 = 30)

1. List down the essential and non-essential fatty acids.
2. Name the pressure sore areas.
3. Define Therapeutic diet.
4. List down the sites of subcutaneous injections.
5. Name any four food sources rich in Ascorbic acid.
6. What is medication error?
7. What is known as water intoxication?
8. Mention the purpose of urinary catheterization.
9. Beri Beri – causes and treatment
10. Give the formula to calculate Intravenous fluids.

[LI 0216]

FEBRUARY 2016

Sub.Code :1307

B.Sc. DIALYSIS TECHNOLOGY
(New Syllabus 2014-2015)

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum : 100 Marks

Answer All questions

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

1. Write the functions, deficiencies and sources of Vitamin-A.
2. Explain in detail about the procedure of bladder catheterization.
3. Brief the objectives and principles of meal planning.

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

1. Relationship between health, nutrition and nursing.
2. Routes of medication administration.
3. Write the importance of dietary fibers.
4. Collection of 24 hours urine specimen.
5. How to assess obesity?
6. Write the principles of bed making.
7. Foods to be avoided and included for renal calculi.
8. Prevention of needle stick injury.

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

1. Any four food sources rich in carbohydrates.
2. Sites of intramuscular injections.
3. Name essential and non essential amino acids.
4. Enumerate the types of urinary catheter
5. Define Bioavailability.
6. Mention the parts of the needle.
7. Write the importance of iodine in prevention of goiter.
8. Define decubitus ulcer.
9. What are the characteristics of pellagra?
10. List down the complications of IV injections.

[LJ 0816]

AUGUST 2016

Sub.Code :1307

B.Sc. DIALYSIS TECHNOLOGY
(New Syllabus 2014-2015)

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain in detail about the procedure of collection of urine and stool.
2. Explain in detail about the classification of proteins, their functions and the food sources.
3. Write in detail about the causes and signs and symptoms of CKD (Chronic kidney disease). Plan a menu for an adult man suffering from CKD (Chronic kidney disease).

II. Write Notes on:

(8 x 5 = 40)

1. Write the guidelines for bed making.
2. Explain the principles underlying Body mechanics.
3. What is Bladder catheterization?
4. Write about Intramuscular injection.
5. Briefly explain Nephrotic syndrome.
6. Differentiate between hemo-dialysis and peritoneal dialysis.
7. Write short notes on Occupied bed.
8. Write the factors influencing food habits.

III. Short Answers on:

(10 x 3 = 30)

1. Give short note on Post- operative anesthetic bed.
2. Write food sources of Ascorbic acid.
3. Give the etiology of Acute renal failure.
4. Define balanced diet.
5. Deficiency of Vitamin A.
6. What is Nephrolithiasis?
7. List down the equipments needed for Intra Venous Injection.
8. Give the Indication for urinary catheterization.
9. List down the special beds and give example for each one of them.
10. Write short note on Unoccupied bed.

B.Sc. DIALYSIS TECHNOLOGY
(New Syllabus 2014-2015)

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum : 100 Marks

Answer All questions

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

1. Enumerate the various classifications of Fats, their functions and food sources with examples.
2. Explain in detail about the classification of Dialysis and nutrition in hemodialysis with a menu.
3. Explain the purpose, equipment and procedure of collecting urine specimen for culture.

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

1. Differentiate between Acute renal failure and Chronic renal failure.
2. Explain: a) Proteinuria, b) Oliguria, c) Hematuria, d) Anuria, e) Uremia.
3. Write the Rights of medication administration.
4. Write the purpose of client records.
5. Explain the Care of client with indwelling catheter.
6. Give the Principles underlying Body mechanics.
7. Write the Sources and preservation of water.
8. Give short notes on Collection of Stool.

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

1. Classify the Vitamins.
2. Give the formula to calculate Intravenous fluids.
3. Write food sources of Iron.
4. Name the pressure sore areas.
5. Write the symptoms of Chronic nephritis.
6. What is medication error?
7. Give the etiology of Nephrotic syndrome.
8. What is Protein energy malnutrition?
9. Write the Indication for urinary catheterization.
10. List down the special beds and give example for each one of them.

[LL 0817]

AUGUST 2017

Sub. Code: 1307

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain on dietary sources, functions and deficiency of Vitamin C.
2. Enumerate on classification of nutrients with examples.
3. Write in detail on procedure of collection of urine and stool.

II. Write notes on:

(8 x 5 = 40)

1. What is Bladder catheterization?
2. Requirements and preservation of drinking water.
3. Explain on Nephritic syndrome.
4. Explain the Care of client with indwelling catheter.
5. Foods to be included and avoided for Obesity.
6. Give the principles of bed making.
7. Disorders caused due to excess fat.
8. Write the factors affecting food and nutrition.

III. Short answers on:

(10 x 3 = 30)

1. Give the list of special beds and give example for each one of them.
2. Write dietary sources of Vitamin A.
3. Define Nephrolithiasis.
4. What is PEM?
5. Mention the instruments needed for Intra Venous Injection.
6. Give RDA and food sources of Iron.
7. List out the Indication for urinary catheterization.
8. What is EFA?
9. Sites of intramuscular injections.
10. Functions of Calcium in body.

[LM 0218]

FEBRUARY 2018

Sub. Code: 1307

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum: 100 Marks

Answer all questions

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

1. Plan a day's diet with foods to be included and avoided for a person with Chronic Renal Failure on hemodialysis, aged 55, non - vegetarian and heavy worker.
2. Give a note on classification, dietary sources and functions of Fats.
3. Explain the purpose, equipments and procedure of collecting urine specimen for culture.

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

1. What is decubitus ulcer?
2. RDA, food sources and deficiency of Niacin.
3. Foods to be avoided and included for Nephrosis.
4. Explain the food pattern and its relation to health.
5. Differentiate between peritoneal dialysis and hemo-dialysis.
6. Foods to be included and avoided for Underweight.
7. Interrelation between health, nutrition and nursing.
8. Routes of medication administration.

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

1. Phrynoderma – Causes and treatment.
2. How to calculate intravenous fluids?
3. Foods included and avoided for Chronic renal failure.
4. List out the bacteria in stool specimens.
5. Mention the instruments needed for Intra Venous Injection.
6. Give the parts of the needle.
7. Mention the importance of iron in prevention of anemia.
8. What is Unoccupied bed?
9. Define Macronutrients with examples.
10. What is medication error?

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Write in detail about the causes and signs and symptoms of Acute renal failure. Plan a menu for an adult woman aged 40 years, vegetarian suffering from acute renal failure.
2. Enumerate on dietary sources, functions, RDA and deficiency of Vitamin D.
3. Explain the purpose, equipment and procedure of collecting urine specimen for culture.

II. Write notes on:

(8 x 5 = 40)

1. Write the Rights of medication administration.
2. RDA, food sources and function of Riboflavin.
3. Vascular dialysis.
4. Functions and deficiency of Carbohydrates.
5. Sources, functions and deficiency of Vitamin A.
6. Collection and examination of 24 hours urine specimen.
7. Differentiate between overweight and obesity.
8. Foods to be included and avoided for oxalate kidney stones.

III. Short answers on:

(10 x 3 = 30)

1. Define nutrition.
2. List out the causes of chronic renal failure.
3. Sites of intramuscular injections.
4. Give the essential and non essential fatty acids.
5. Write the dietary sources of Vitamin E.
6. Give the pressure sore areas.
7. Define Therapeutic diet.
8. What is medication error?
9. Give the RDA and functions of Magnesium.
10. Mention the instruments needed for Intra Venous Injection.

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain in detail about the Bladder Catheterization.
2. Plan a Diet Menu for a patient with Acute Renal Failure.
3. Explain about the Protein under the following heading :
(a) Classifications (b) Essential Amino acids (c) Functions

II. Write notes on:

(8 x 5 = 40)

1. Write the Aseptic precautions in the Laboratory.
2. Bedmaking Techniques.
3. Functions of Water as a Nutrient.
4. Nephrotic Syndrome.
5. Renal Function Test.
6. Calcium – Sources and Functions.
7. Write the procedure for Intra - venous injection.
8. Wilms Tumor.

III. Short answers on:

(10 x 3 = 30)

1. Name the essential Amino acids.
2. Write the Normal range of Creatinine and Urea.
3. Complications of Obesity.
4. Difference between Normal Diet and Therapeutic Diet.
5. Name the essential Fatty acids.
6. Write any two sources of Potassium.
7. Special Bed making.
8. Subcutaneous Injection.
9. Pellagra.
10. Normal ESR.

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum: 100 Marks

Answer all questions

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

1. Write the Sources, Requirements and Deficiency of Vitamin – C.
2. Explain about the Decubitus Ulcer, its Prevention and Management.
3. Prepare a Diet Menu for a Diabetic Patient.

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

1. Principles of Bed Making.
2. Protein Energy Malnutrition.
3. Sources and Functions of Vitamin – A.
4. Intra – Muscular Injection.
5. Nosocomial Infection.
6. Factors affecting the Food and Nutrition.
7. Functions of Protein.
8. Needle stick Injury.

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

1. Define – Oliguria and Nocturia.
2. Causes for Hematuria.
3. Contents in ORS.
4. Name the Micro Nutrients.
5. Indications for Urinary Catheterization.
6. Residual urine specimen.
7. Name any two Anti – Coagulants.
8. Name any three Blood borne diseases.
9. List the Routes of Drug Administration.
10. Edema.

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code: 801307

Time: Three Hours

Maximum: 100 Marks

Answer all questions

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

1. Explain in detail about the procedure of urine collection and its clinical uses.
2. Explain Carbohydrate under the following heading:
(a) Classification (b) Sources (c) Digestion.
3. Explain about balanced diet with example.

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

1. Relationship between health and nutrition.
2. Dietary Fibre.
3. Write the factors influencing food habits.
4. Differences between peritoneal and hemodialysis.
5. Handwashing techniques.
6. Write the criteria during documentation in renal transplantation case.
7. Characteristic and composition of urine.
8. Diet menu for renal calculi.

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

1. Types of catheters.
2. Name any two Broncho-dilators.
3. Lactose intolerance.
4. Differences between diarrhoea and dysentery.
5. List the foods that should be avoided during fever.
6. Water intoxication.
7. Write any two foods rich in protein.
8. Body mass index.
9. Causes for obesity.
10. Iodine.

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

[AHS 0321]

MARCH 2021

Sub. Code: 1307

(AUGUST 2020 EXAM SESSION)

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR (From 2014-2015 onwards)

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P. Code : 801307

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Classification and function of carbohydrates.
2. Write in detail about care of bed ridden patients.
3. Plan a diet for dialysis patients.

II. Write notes on:

(8 x 5 = 40)

1. Purpose of documentation.
2. Types of bedmaking.
3. Explain the rights of medicine administration.
4. Explain the method of collection of urine specimen.
5. Factors influencing food selection.
6. Food patterns.
7. Classification of proteins.
8. Beri-beri.

III. Short answers on:

(10 x 3 = 30)

1. Nutrients.
2. Dental caries.
3. Sources of fat.
4. Rickets.
5. Anemia.
6. Complications of injections.
7. Principles of bladder catheterisation.
8. Types of therapeutic bath.
9. Sites for pressure sore.
10. Types of records.

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

[AHS 0422]

APRIL 2022

Sub. Code: 1307

(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR (Regulations 2014-2015)

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q.P NO. 801307

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on : (3X10=30)

1. Explain on classification of Macro and Micronutrients with examples.
2. Define Decubitus Ulcer. Mention its causes, prevention and management.
3. Plan a diet menu for a pregnant woman, who is in last trimester of pregnancy. Write the RDA of pregnant women and five importance of RDA. (Recommended Dietary Allowances)

II. Write Notes on : (8X5=40)

1. Enumerate the functions of protein.
2. Write the purposes of clinical records.
3. List out the principles of Bed making.
4. Requirements, functions and preservation of drinking water.
5. Explain the care of client with indwelling catheter.
6. Briefly explain the principles of medication administration.
7. Vitamin A – sources and functions.
8. Write about Intra-Muscular injection.

III. Short Answers on : (10X3=30)

1. Write dietary sources of Vitamin B2.
2. Define Post Operative bed.
3. Functions of Calcium in our body.
4. What is Protein Energy Malnutrition?
5. List out the sites of taking pulse.
6. What is Essential Fatty Acids?
7. Write any three principles of asepsis.
8. Define “Balanced Diet”.
9. List down the equipments needed for intravenous infusion.
10. Define nephrotic syndrome.

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 1307

**B.Sc. DIALYSIS TECHNOLOGY
FIRST YEAR (Regulation 2014-2015)
PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE
Q.P NO. 801307**

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on :

(3X10=30)

1. Explain dietary sources, functions and deficiency of Vitamin C.
2. Explain the purpose, equipment and procedure of collecting urine specimen for culture.
3. Mr.X is diagnosed to have Acute Renal Failure. Write in detail about the causes and symptoms of acute renal failure. Plan a menu for X, aged 50, Vegetarian who is on haemodialysis.

II. Write Notes on :

(8X5=40)

1. Discuss the functions of carbohydrates in our body.
2. Explain the types of beds.
3. Mention the types of records and reports.
4. Write the factors influencing food habits.
5. Enumerate the classification of micro nutrients.
6. List down the different routes of medication administration.
7. List the causes and common sites of decubitus ulcer.
8. Recommended Dietary Allowances (RDA), sources and functions of calcium.

III. Short Answers on :

(10X3=30)

1. Define Malnutrition.
2. Define the term lipids.
3. Write any three foods rich in Iron.
4. Write down the indications for urinary catheterization.
5. Define Vital signs.
6. Five rights of medicine administration.
7. Define Body mass index.
8. Complications of intravenous infusion.
9. Define Anaemia.
10. Define Health.

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

[AHS 0423]

APRIL 2023

Sub. Code: 1307

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR (Regulations 2014-2015 & 2018-2019 onwards)

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q. P. Code: 801307

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

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

1. Procedure and follow up care of patient with Urinary Catheterization.
2. Explain about classification, RDA, caloric value, functions and dietary sources of Fats.
3. Explain in detail about Minerals.

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

1. Role of Nutrition in maintaining Health.
2. Bed making.
3. Dietary sources of Iron and its deficiency disease.
4. Write note on Health Assessment.
5. Malnutrition.
6. Write about Fat Soluble Vitamins.
7. Write note on Intramuscular injections.
8. Principles underlying Body Mechanics.

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

1. Balanced diet.
2. How do you calculate intravenous fluids?
3. What is medication error?
4. Define BMR.
5. Pellagra.
6. Write about Vitamin K deficiency disease.
7. Rickets.
8. Urine collection procedure for culture.
9. Define Malnutrition.
10. Scurvy.

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1307

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR (Regulations 2014-2015 & 2018-2019 onwards)

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q. P. Code: 801307

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

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

1. Explain the purposes, equipments and procedure of Collecting Urine Specimen for Culture.
2. Write Diet plan for Nephrolithiasis.
3. Explain the principles and procedure of Post Operative Bed Making.

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

1. Principles of Body mechanics.
2. Prevention of pressure Ulcers.
3. Reports.
4. Characteristics of Normal Urine.
5. Functions of Nutrients.
6. Differentiate Kwashiorkor and Marasmus.
7. Classification of Fats.
8. Health problems due to deficiency of Water.

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

1. List the Macronutrients.
2. Role of Dietary fibre.
3. Sodium Rich foods.
4. Balanced diet.
5. Sources of Vitamin C foods.
6. Benedict's test.
7. Principles of Skin care.
8. Parts of Needle and Syringe.
9. Sites for Subcutaneous injections.
10. Write the formula to calculate Intravenous fluids.

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

[AHS 0424]

APRIL 2024

Sub. Code: 1307

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR (Regulations 2014-2015 & 2018-2019 onwards)

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q. P. Code: 801307

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Explain in detail about the procedures of Oral care.
2. Plan a diet for Nephrotic syndrome.
3. Discuss the factors influencing food habits.

II. Write notes on:

(8 x 5 = 40)

1. Functions of food.
2. Classification of nutrients.
3. Care of client with indwelling catheter.
4. Deficiency of Calcium.
5. Vitamin A deficiency.
6. Routes of medication administration.
7. Principles of bed making.
8. Precautions in collection and transfer of stool and urine.

III. Short answers on:

(10 x 3 = 30)

1. List Sources of protein.
2. Define Unoccupied bed.
3. Define Obesity.
4. Procedure for bladder catheterization.
5. Name the sources of drinking water.
6. Define Medication error.
7. Specify the sites for IM injections.
8. List the food sources of Vitamin K.
9. List the causes for retention of urine.
10. Define Dehydration.

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

[AHS 1125]

NOVEMBER 2025

Sub. Code: 1307

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR (Regulations 2014-2015 & 2018-2019 onwards)

PAPER II – NUTRITION AND PRINCIPLE OF NURSING CARE

Q. P. Code: 801307

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on :

(3 x 10 = 30)

1. Enumerate the classification of Proteins and explain their functions and food sources with example.
2. Explain in detail about the procedure of Bladder catheterization.
3. Write the classification of Vitamins. Explain the functions, sources and deficiencies of Fat-Soluble Vitamins.

II. Write Notes on :

(8 x 5 = 40)

1. Care of bed ridden patient.
2. What are the principles of meal planning?
3. Collection of stool specimen.
4. Enumerate the principles underlying body mechanics.
5. List out the Aseptic precautions in the laboratory.
6. Functions of Carbohydrates.
7. Explain the food pattern and its relation to health.
8. Documentation.

III. Short Answers on :

(10 x 3 = 30)

1. What is RDA (Recommended Dietary Allowances)?
2. Define BMR (Basal Metabolic Rate).
3. List out the special beds.
4. Name the pressure sore areas.
5. Pellagra.
6. Subcutaneous injection.
7. Define Therapeutic diet.
8. Define Macronutrients with examples.
9. What is Unoccupied bed?
10. Write the formula to calculate Intravenous fluids.
