

## B.Sc. (Hons) (FNS) Sem.-5 Examination

FNS-311

## Therapeutic Nutrition and Diet Therapy-I

Time : 2-30 Hours]

November-2025

[Max. Marks : 70

**Question 1 Write the following**

- (i) What is fever and what are the common metabolic changes seen in (7 Marks) Typhoid, Malaria and Tuberculosis?
- (ii) Identify the different types of routine hospital diet and explain their main (7 Marks) features and purposes.

**OR**

- (i) Discuss the key principles underline therapeutic diets and describe their (7 Marks) classification with suitable example
- (ii) Explain types of fever and the importance of nutrition in infection and fever (7 Marks) management

**Question 2 Write the following**

- (i) Explain the causes, clinical manifestations and nutritional management of (7 Marks) gastritis and peptic ulcer disease.
- (ii) Explain the etiology, clinical manifestations and complications of peptic (7 Marks) ulcer disease. Discuss in detail the principles and dietary management involved in its nutritional therapy.

**OR**

- (i) Discuss etiology, symptoms and nutritional management of steterrohoea, (7 Marks) diverticular disease and flatulences.
- (ii) Discuss the etiological factors, signs and symptoms, and dietary (7 Marks) management of diarrhoea and constipation.

**Question 3 Write the following**

- (i) Explain the pathophysiology of Hepatic Encephalopathy in detail. (7 Marks)
- (ii) Enlist the functions of liver? Describe metabolic functions in detail. (7 Marks)

**OR**

- (i) Explain different types of jaundice and give a brief note on clinical signs of (7 Marks) it.

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- (ii) What is portosystemic shunting? Explain the complications of liver cirrhosis and dietary management of it. (7 Marks)

**Question 4 Write the following**

- (i) Explain the etiological factors of AKI and describe the dietary management on both the phases. (7 Marks)
- (ii) Explain renal function test. Which biomarker is best in diagnosing early stage renal impairment and why? (7 Marks)

**OR**

- (i) What is Chronic renal failure? Explain the causes, biochemical changes and dietary management in detail. (7 Marks)
- (ii) Explain dietary management in kidney transplant in detail. (7 Marks)

**Question 5 Attempt any seven out of twelve**

(14 Marks)

- (i) Enumerate and describe the different types of routine hospital diets.
- (ii) Describe how a normal diet can be modified for therapeutic purposes.
- (iii) Define parenteral feeding and discuss its significance in patient care.
- (iv) Explain the classification of therapeutic diets with suitable examples.
- (v) What are the typical clinical manifestations of gastritis?
- (vi) Define diarrhoea and state its clinical relevance.
- (vii) Differentiate between NAFLD and NASH.
- (viii) Write a short note on GFR.
- (ix) Define AKI
- (x) Write a short note on renal function test.
- (xi) What is BUN?
- (xii) Differentiate between NAFLD and NASH.

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