

**Ph. D. (FOOD AND NUTRITION)
(PHDFN)**

Term-End Examination

December, 2025

**RFNE-003 : CLINICAL NUTRITION AND
DIETETICS**

Time : 3 Hours

Maximum Marks : 100

Note : (i) Answer any **five** questions in all.

(ii) Q. No. 1 is compulsory.

(iii) All questions carry equal marks.

1. (a) Explain the following in 2-3 sentences
each : 5×2=10

(i) ESRD

(ii) IBD

(iii) MODS

(iv) MCT

(v) OGTT

- (b) Differentiate between the following (any five) : $5 \times 2 = 10$
- (i) Acute infection and chronic infection
 - (ii) Nutritive and Non-nutritive sweeteners
 - (iii) N-6 fatty acids and N-3 fatty acid
 - (iv) Diet history and diet therapy
 - (v) Glycemic Index and Glycemic Load
 - (vi) Fibre and Residue
2. Present the dietary management in : $4 \times 5 = 20$
- (a) HIV/AIDS
 - (b) Burns
 - (c) Esophageal Cancer
 - (d) Gout
3. (a) What are the dietary recommendations for celiac disease ? Explain briefly. Giving the kind of foods, food combinations you may recommend to a celiac patient. 10

- (b) What is nephrotic syndrome ? List the major objectives and dietary guidelines you would recommend for a nephrotic syndrome patient. (6 years old boy). 10
4. (a) What is a ketogenic diet ? Discuss its relevance in control of management of epilepsy. 8
- (b) Present the nutritional requirements of the elderly. 7
- (c) What do you understand by ABCD analysis in relation to Nutrition Assessment ? 5
5. (a) Briefly discuss the risk factors of coronary heart disease. 7
- (b) What are therapeutic diets ? What is the purpose of therapeutic diet adaptation ? 8
- (c) Briefly present the role of antioxidants in prevention of cancer, giving suitable examples. 5

6. (a) Give the nutrient composition of a parenteral nutrition solution. 6
- (b) What is obesity ? How well you classify it ? Give the metabolic aberrations and consequences of obesity. 3+3+4
- (c) Elaborate on the classes of lipoproteins present in the blood which are of interest in the context of coronary heart diseases. 4

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