

**MASTER OF SCIENCE (DIETETICS  
AND FOOD SERVICE MANAGEMENT)**

**Term-End Examination**

**MFN-005 : CLINICAL AND THERAPEUTIC  
NUTRITION**

*Time : 3 Hours]*

*[Maximum Marks : 100*

**Note:** Answer Five questions in all. Question No. 1 is  
compulsory. All questions carry equal marks

1. (a) Define or explain briefly the following in 2-3 lines only: 10
- (i) GERD
  - (ii) Ketoacidosis
  - (iii) Inflammatory Bowel disease (IBD)
  - (iv) Syndrome X
  - (v) Dysphagia
- (b) Differentiate between the following: 10
- (i) Soft diet - Bland diet
  - (ii) Clear liquid diet - Full liquid diet
  - (iii) Food allergy - Food intolerance
  - (iv) Peripheral Vein Feeding - Total Parental Feeding

(v) Primary hypertension - Secondary hypertension

2. (a) Explain the concept of medical nutrition therapy and describe the role of dietitian in health care and counselling. 2+8
- (b) Discuss the etiology, clinical features and nutritional management of any one chronic infection/fever. 10
3. Explain the following briefly: 5+5+5+5
  - (a) Risk factors for childhood obesity
  - (b) Classification of diabetes.
  - (c) Relationship between low birth weight and body fatness in adults.
  - (d) Classification to categorize adults into different grades of hypertension.
4. (a) Indicate the disease condition wherein the following diet therapy is recommended. Elaborate on the dietary management and do's and don'ts related to each disease condition.
  - (a) Ketogenic diet
  - (b) Methionine restricted diet

(c) Gluten free diet

(d) Purine restricted diet

5. Give the advantages of the following: 5+5+5+5

(a) Elimination diets

(b) DASH diet for hypertensive patients

(c) PKU food pyramid while counselling patients

(d) Glycemic Index and Exchanges in the management of diabetes

6. (a) Explain the role of fats and oils in the etiology and management of dyslipidemia. 10

(b) Explain the dietary considerations nutrient requirement and management you would advocate for children suffering from chronic renal/kidney disease. 10

7. (a) Enlist the common liver diseases affecting humans. Give the dietary guidelines, modifications you would advocate for each condition. Present the guidelines in a tabular form. 10

(b) Give the nutrition medical therapy for the following: 5+5

(i) Ulcerative colitis

(ii) Gastritis

8. Write short notes on any four of the following:

5+5+5+5

(a) Dietary management of bones

(b) The nutrition care process

(c) Special foods and modified eating devices for patients suffering from neurological diseases.

(d) Post operative dietary management of patients undergoing surgery

(e) Common eating disorders