

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

Term-End Examination

December, 2007

**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) Explain the following in 2 – 3 sentences : 10
- (i) Dysphagia
 - (ii) Elimination diet
 - (iii) Congenital Heart Disease (CHD)
 - (iv) Ascites
 - (v) Glycosylated Haemoglobin

- (b) Give one example for each of the following : 10
- (i) Eating disorder
 - (ii) Drug – food interaction
 - (iii) Lipoproteins in blood
 - (iv) Food rich in cholesterol
 - (v) Low sodium content food
 - (vi) Disorders of coronary heart disease
 - (vii) Clinical symptoms of diabetes
 - (viii) Neurological disorders of non-nutritional etiology
 - (ix) Foods to be avoided during constipation
 - (x) Inborn errors of metabolism
2. (a) Briefly explain the nutritional care process, highlighting its components. 10
- (b) What are therapeutic diets ? Present a review on the types of dietary adaptation you would follow for therapeutic needs. Give appropriate examples. 10
3. (a) Discuss the principles of dietary management of a patient hospitalized with second degree burns. 10
- (b) Give the goals of nutritional management and the nutrient requirements and general feeding considerations for a cancer patient. 10

4. Explain briefly the following : 5+5+5+5
- (a) Food challenge is a crucial element in diagnosis of adverse food reactions
 - (b) Current classification of diabetes mellitus
 - (c) Precautions in tube feeding
 - (d) Methods of assessment of obesity
5. (a) Discuss the salient features of medical nutrition therapy of Type II diabetes. 8
- (b) Explain the rationale for dietary advice you would give to an adult suffering from gout. 6
- (c) What is celiac disease ? Briefly describe how you would manage a patient of celiac disease with dietary modifications. 6
6. Elaborate on the current approach to medical nutrition therapy of the following : 5+5+5+5
- (a) Parkinson's disease
 - (b) Gall bladder stones
 - (c) Chronic pancreatitis
 - (d) Hypertension
7. (a) Briefly discuss the dietary management of chronic renal failure patient on haemodialysis therapy. 10
- (b) Discuss the principles of dietary management for liver cirrhosis. 10

8. Write short notes on any **four** of the following : 5+5+5+5

- (i) Skills and strategies required for dietary counselling
- (ii) Medical nutrition therapy for AIDS patient
- (iii) Nutritional management of premature infant
- (iv) Pathophysiology of atherosclerosis
- (v) Nutritional assessment tools for the elderly