

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

01752

Term-End Examination

June, 2010

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

Time : 3 hours

Maximum Marks : 100

Note : Answer five questions in all. Question number 1 is compulsory.

1. (a) Differentiate between the following sets of terms 10
- (i) Diet history - Diet therapy
 - (ii) Acute Infection - Chronic Infection
 - (iii) Ebp phase - Flow phase
 - (iv) Food allergy - Food intolerance
 - (v) Anorexia Nervosa - Bulimia Nervosa
- (b) Give one example for each of the following : 10
- (i) Etiology factors of Diabetes.
 - (ii) Altered biochemical parameters in obesity
 - (iii) Complications of hypertension
 - (iv) Foods rich in purines

- (v) Food drug interactions
 - (vi) Cancer preventive nutrients/food components.
 - (vii) Low residue foods
 - (viii) Malabsorption syndromes
 - (ix) Food items limited/excluded from the diet of patient with gall bladder disease.
 - (x) Etiology for kidney stones
2. (a) Define Medical Nutrition Therapy 4
- (b) Enumerate the five phases involved in the nutritional care process. 8
- (c) What are therapeutic diets? Enumerate the types of dietary adaptation for therapeutic needs. 8
3. Explain the following briefly : 5+5+5+5=20
- (a) Medical Nutrition Therapy for AIDS patient.
 - (b) Calorie and Nutrient requirements during post operative period.
 - (c) Preventive strategies of adverse food reactions.
 - (d) Drug effects on nutritional status.
4. (a) Present the classifications of obesity and underweight among : 3+3
- (i) Adults and
 - (ii) Children

- (b) Briefly discuss the role of energy intake in the dietary management of obese and underweight individuals. Explain giving examples. 8
- (c) "Behavioural and life style modifications are an integral part of the weight reduction plan". Comment on the statement, giving appropriate justifications. 6
5. (a) Highlight the common risk factors associated with heart diseases. 5
- (b) Discuss the role of dietary fats in the management of dyslipidemia. 7
- (c) Diet and drugs is crucial for diabetic management. Comment on the statement, giving appropriate justifications. 8
6. Give the dietary principles involved in the management of the following : 5+5+5+5=20
- (a) Gastritis
- (b) Peptic ulcer
- (c) Caliac Disease
- (d) Phenylketonuria
7. (a) What is cirrhosis ? Discuss the medical nutrition therapy for a patient suffering from cirrhosis. 10

- (b) "Feeding is a challenge in Chronic Renal Failure (CRF)". Justify the statement highlighting the dietary guidelines and management for CRF. **10**

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

- (a) Feeding and Nutritional Care of patient with parkinson's Diseases.
- (b) Dietary management of Ulceraline Colitis
- (c) Enteral and Parental Feeding advantages and disadvantages.
- (d) Dietary Recommendations during diarrhoea.
- (e) Elimination diet A tool for diagnoses of adverse food reactions. **5+5+5+5=20**