

00873

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

**Term-End Examination**

**June, 2012**

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

*Time : 3 hours*

*Maximum Marks : 100*

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*Note : Answer five questions in all. Question Number 1 is compulsory. All questions carry equal marks.*

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1. (a) List the routine hospital diets. 3
- (b) List any two common foods which may cause food allergy in some individuals. 2
- (c) Define the following : 10
- (i) Steatorrhea
  - (ii) Dumping Syndrome
  - (iii) Syndrome X
  - (iv) Galactosaemia
  - (v) Hyperkalemia
- (d) Give one example for each of the following : 5
- (i) Neurological diseases
  - (ii) Food restricted in renal calculi
  - (iii) Foods to be avoided for gout patients
  - (iv) Food with low glycemia index
  - (v) Symptoms of bulimia

2. (a) What are chronic fevers? Discuss the dietary management of any one chronic fever. 10
- (b) Define medical nutrition therapy. Briefly discuss the role of a dietician in the nutritional care process. 10
3. (a) List the nutrient requirement of a critically ill adult. 5
- (b) What are the types of nutrition support we can provide to critically ill individual? Discuss briefly. 15
4. (a) How will you classify obesity in adults? 5
- (b) How will you determine the energy and protein requirement for an obese adult? Explain giving examples. 6
- (c) Briefly discuss the role of food exchanges while planning diet for a diabetic patient. 5
- (d) Comment on the carbohydrate distribution in the diet of a diabetic patient. 4
5. Explain the following briefly : 5+5+5+5
- (a) Risk factors in causation of coronary heart diseases.
- (b) Amount and type of dietary fats in the diet of a heart patient.
- (c) Salt restriction based on severity of hypertension
- (d) Lipoproteins in the blood used in diagnosing hyperlipidemia.

6. (a) Discuss the role of residue and fibre in foods in the management of diarrhoea. 8
- (b) Give the etiology of peptic ulcer and explain the nutritional management for a peptic ulcer patient. 8
- (c) What is a gluten-free diet ? Give the condition under which you would prescribe a gluten free diet. 4
7. (a) What amount of protein and sodium intake is recommended for chronic renal failure patient ? Justify. 10
- (b) Mention one symptom common to all liver diseases. What dietary advice would you give to a patient suffering from hepatic coma ? 2+8
8. Write short notes on *any four* of the following : 5+5+5+5
- (a) Goals of nutritional care of neurological disorders.
- (b) Phenylketonuria - Dietary Counselling
- (c) Nutrient drug interaction
- (d) Nutrition medical therapy for a burn patient
- (e) Dietary management of cancer patient
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