

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

**Term-End Examination**

**December, 2015**

**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  
1 - 2 lines : **10x1=10**
- (i) Insulin shock
  - (ii) Food pyramid
  - (iii) MCT
  - (iv) Phytochemicals
  - (v) Comorbidity
  - (vi) Atherosclerosis
  - (vii) Hiatus hernia
  - (viii) Impaired glucose tolerance
  - (ix) Low residue diets
  - (x) Ulcerative colitis
- (b) Differentiate between the following : **5x2=10**
- (i) Clear fluid and full liquid diets
  - (ii) Nutrition Screening Initiative (NSI)  
and Minimal Nutrition Assessment  
(MNA)
  - (iii) Diuretic and dialysate
  - (iv) Gastritis and diverticular disease
  - (v) Steatorrhea and tachycardia

2. (a) What do you understand by the term dyslipidemia ? Give the goals and principles of dietary management in this condition. 10
- (b) Explain briefly the dietary principles in management of typhoid. 7
- (c) Why is nutrition education an important component in the management of eating disorders ? 3
3. (a) What is the three pronged approach in the management of obesity ? Discuss any one approach in detail. 10
- (b) What are the symptoms of viral hepatitis ? Outline the dietary recommendation for a person with viral hepatitis. 6
- (c) Give the nutrient composition of a parenteral nutrition solution. 4
4. (a) What is the dietary management in nephrotic syndrome ? 10
- (b) What are the various strategies that can be used to achieve the goals of nutritional management in Alzheimer's disease ? 5
- (c) How does the strategy of individual dietary counselling differ from that of group counselling ? 5
5. (a) Describe the risk factors and the complications linked with diabetes mellitus. 4+5=9
- (b) How will you calculate the nutrient requirements of a patient with burns during the flow and anabolic phase ? 8
- (c) What are the symptoms of food allergy ? 3

6. (a) What is GERD ? What are its symptoms and nutritional management ? 6
- (b) What kind of nutrition support management would you advocate to cancer patients on radiation therapy ? 6
- (c) What are the principles of dietary management in sepsis ? 8
7. (a) What is the role of dietitian in the nutrition care process of hospitalised patients ? 10
- (b) Explain any five factors that need to be considered while prescribing diets to patients. 5
- (c) What are the etiological factors in the development of hypertension ? 5
8. Write short notes on **any four** of the following :
- (a) Artificial sweeteners 5+5+5+5
- (b) Dietary fibre
- (c) Low birth weight babies
- (d) Lactose intolerance
- (e) Maple syrup urine disease
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