

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

Term-End Examination

December, 2013

**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) List any five adaptations of the normal diet to suit therapeutic needs. 5
- (b) Match the items in Column A to the items in Column B. 5

	Column A	Column B
(i)	Enteral feeding	(A) Food allergy
(ii)	Flow phase	(B) Metabolic change leading to weight loss
(iii)	Immunoglobulin E(IgE)	(C) Anaemia
(iv)	Parenteral feeding	(D) Nutrition support through Gastrointestinal tract
(v)	Cachexia	(E) Stress response
		(F) Feeding through the mouth
		(G) Nutritional support through a vien

- (c) Explain the following briefly in 2-3 sentences only. **10**
- (i) Dysphagia
 - (ii) Steatorrhoea
 - (iii) Homocystinurea
 - (iv) Trans fatty acids
 - (v) Dumping Syndrome
2. (a) Briefly explain the relevance and process of nutrition assessment in the nutrition care process. **6**
- (b) Discuss the role of a dietitian in patient care. **8**
- (c) Enumerate the common diets that are prescribed in hospital situations **6**
3. (a) Discuss the medical nutrition therapy for : **7+7**
- Typhoid
 - Tuberculosis
- (b) Suggest practical eating suggestions for symptom management of HIV and AIDS infected patients. **6**
4. (a) Enlist the classification, metabolic aberrations and clinical manifestations of obesity. **7**
- (b) Briefly explain the dietary management of coronary heart disease with special emphasis on dietary fats and carbohydrate intake in the diet. **8**
- (c) Elaborate on the role of sodium restrictions in the management of hypertension. **5**

5. (a) Give the classifications and etiology of diabetes. **4+4**
- (b) Discuss the relevance of the food exchange system in the dietary management of diabetes. **6**
- (c) Enlist the foods you would include and restrict in the diet of patients suffering from **3+3**
- Tyrosinemia
 - Maple Syrup Urine Disease
6. (a) Give the dietary and life style management goals for constipation in adults. **6**
- (b) What is gluten-free diet ? For which disease condition would you advocate this diet ? **6**
- (c) Give the nutritional management goals and dietary recommendations for a person suffering from hepatic coma. **8**
7. (a) "Feeding is a challenge in chronic renal failure." Explain highlighting the management goals and nutrient recommendation for chronic renal failure. **10**
- (b) Why is knowledge of drug nutrient interaction important in the nutritional management of parkinson's disease. **5**
- (c) What is ulcerative colitis ? Enlist the dietary recommendations for this condition. **5**

8. Write short notes on *any four* of the following : 5+5+5+5
- (a) Dietary management of govt.
 - (b) Role of antioxidants in cancer prevention
 - (c) Prevention of adverse food reactions
 - (d) Nutritional management of peptic ulcer
 - (e) Dietary interventions for a child having lactose intolerance.
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