

02949

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

Term-End Examination

June, 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) Define the following : 6
- (i) Dietetics
 - (ii) Medical Nutrition Therapy
 - (iii) Therapeutic Nutrition
- (b) Give one example for each of the following : 10
- (i) Routine hospital diet
 - (ii) Enteric fever
 - (iii) Enteral feeds
 - (iv) Phases of stress response
 - (v) Common food allergy seen in children
 - (vi) Effects of drug on food intake
 - (vii) Dietary etiological risk factors in cancer.
 - (viii) Diagnostic criteria of anorexia nervosa

- (ix) Modifiable risk factors of cardiovascular diseases.
- (x) Food with low glycemic load
- (c) List four foods containing gluten 4
2. (a) What do you understand by the term 'Nutrition Counselling'? Explain its scope process and approaches, giving appropriate examples. 10
- (b) Briefly discuss the role of a dietitian in nutrition care, highlighting the activities dietitian services focus on. 8
- (c) Enlist the four distinct phases of nutrition care process. 2
3. (a) Briefly discuss the mode of feeding you will adopt for a critically ill child, highlighting the advantages, limitations and indications for the method of feeding. 10
- (b) Enumerate the metabolic changes occurring during infection and elaborate how these changes influence nutrient needs, giving examples. 10
4. (a) Enlist the goals/objectives, dietary modification and points you will keep in mind for the dietary management of the following : 8+8
- Obese Adult
 - Adult woman suffering from Type 2 Diabetes

- (b) What do you understand by the term 'Syndrome X' ? 4
5. (a) What is dyslipidemia ? Enlist the parameters which should be considered in diagnosis of dyslipidemia. 2+4
- (b) Discuss the goals of dietary management and the dietary modifications you will advocate for dyslipidemia. 2+8
- (c) Enlist the handy guideline you will advocate for a patient suffering from gout. 4
6. Explain the following statements briefly giving examples. 5+5+5+5
- (a) How residue, low fibre diet recommended during diarrhoea ?
- (b) Meals are the major aggravating factor of gastro oesophageal reflux disease (GERD).
- (c) High fibre diet is beneficial in the treatment of diverticulosis
- (d) Current management approach of peptic ulcer is liberalized.
7. Describe the medical nutritional therapy for : 10+10
- Nephrotic syndrome
 - Viral hepatitis

8. Write short notes on *any four* of the following :
- (a) Dietary management of a patient suffering from acute pancreatitis **5+5+5+5**
 - (b) General goals of nutritional care for a patient with neurological disease.
 - (c) Use of PKU food pyramid to counsel patients suffering from phenylketonuria.
 - (d) Prevention of adverse food reactions
 - (e) Dietary management of burns.
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