

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

Term-End Examination

June, 2017

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

Time : 3 hours

Maximum Marks : 100

- Note :** (i) *Question No. 1 is compulsory.*
(ii) *Answer any Five questions in all.*
(iii) *All questions carry equal marks.*

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1. (a) List any four activities the dietitian services focus on. 2
(b) Enlist any four therapeutic diets. 2
(c) Name any four enteral feeds/formula which can be delivered. 2
(d) Differentiate between the off phase and the flow phase of the stress response. 2
(e) Give one example for each of the following : 2
(i) Drug food interaction
(ii) Drug effect on nutritional status
(f) Name the different components of total energy expenditure along with the % age energy expended. 3
(g) List any four altered biochemical parameters you will find during obesity. 2

- (h) Identify any four common eating disorders found in adults. 2
- (i) Give the ratio of n-3 and n-6 fatty acid in diets. Give one rich source of each. 2
- (j) Name the branched chain amino acids avoided in Maple Syrup urine disease. 1
2. (a) Briefly explain the nutritional care process. 10
- (b) What do you understand by Medical Nutrition Therapy? Enlist the purpose of therapeutic dietary adaptations and types of dietary adaptation for therapeutic needs. 2+4+4
3. Explain the following briefly : 5+5+5+5
- (a) Metabolic changes during infections.
- (b) Tuberculosis is called a wasting disease.
- (c) Oedema is a post-operative complication.
- (d) Clinical manifestations and nutritional problems associated with Cancer.
4. (a) Give the classification you would use to clarify adults and children into different grades of obesity. 2½ +2½
- (b) Discuss the role of dietary fat, carbohydrate and proteins in the management and prevention of dyslipidemias. 10
- (c) Present the calorie intake/ requirement you will advocate according to weight and activity for a diabetic patient. 5

5. (a) Give the guideline you would advocate for the management of children with diarrhoea. 7
- (b) What is the role of proteins and purines in the precipitation of gout? Give the dietary recommendations for gout. 6
- (c) Comment on the current liberalized dietary approach in the management of peptic ulcer. 7
6. (a) Give the nutritional management goals and dietary recommendations you would advocate for hepatic Coma. 3+7
- (b) "Feeding is a challenge in Chronic Renal Failure". Justify the statement highlighting the dietary modifications crucial for the management of disease condition. 10
7. Present the medical nutrition therapy for : 6+7+7
- (a) Ulcerative colitis
- (b) Celiac disease
- (c) Galactosemia
8. Write short notes on **any four** of the following :
- (a) Ketogenic diet in the management of epilepsy. 5+5+5+5
- (b) Dietary considerations for management of gall bladder stones.
- (c) Nutritional management of GERD.
- (d) Classification of diabetes.
- (e) Management of minerals and electrolytes in the treatment of hypertension.