

**MASTER OF SCIENCE (DIETETICS AND  
FOOD SERVICE MANAGEMENT) (M.Sc. DFSM)**

**Term-End Examination**

**02042 December, 2018**

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

*Time : 3 hours*

*Maximum Marks : 100*

**Note :**

1. Answer **five** questions in all.
2. Question no. 1 is **compulsory**.
3. **All** questions carry equal marks.

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1. Briefly explain the relationship between the following sets of terms :  $8 \times 2 \frac{1}{2} = 20$ 
    - (a) Metabolic changes and Infections
    - (b) Food elimination and Adverse food reaction
    - (c) Drugs and Nutritional status
    - (d) Anti-oxidants and Cancer prevention
    - (e) Weight status and Percentile BMI-for-Age
    - (f) Atherosclerosis and Dietary fat
    - (g) Diabetes and Glycemic index
    - (h) Maple Syrup Urine Disease and BCAA

2. (a) Classify the routine hospital diets and give their composition and usage. 10
- (b) Present the clinical features of tuberculosis and explain how they influence the dietary requirements. 10
3. (a) Present the pre-operative and post-operative dietary management and nutritional care during surgery. 5+5
- (b) What handy guidelines would you advocate to the patients and their family to prevent themselves from (i) food allergy, and (ii) food intolerance? 5+5
4. Elaborate on the dietary modifications in the management of the following :
- (a) Energy requirement based on activity levels for normal, obese and underweight 5
- (b) Dietary fat for dyslipidemic patient 8
- (c) Sodium intake in severity of hypertension 7

5. Give the medical nutrition therapy for the following :

- (a) Phenylketonuria 7
- (b) Celiac Disease 7
- (c) Cholelithiasis 6

6. (a) Explain the modification in the intake of calories, proteins, electrolytes and fluids that you would recommend for different liver disorders. 12

(b) Present the nutritional requirements of the elderly. 8

7. (a) Enumerate any five significant kidney function tests you would advocate to renal patients. 5

(b) What is nephrotic syndrome ? List the major objectives and dietary guidelines you would recommend for a nephrotic syndrome patient. 2+3+10

8. Write short notes on any *four* of the following : 5+5+5+5

- (a) Different Modes/Routes of Feeding
  - (b) Dietary Management of Sepsis
  - (c) Nutritional Management of Anorexia Nervosa
  - (d) Classification of Diabetes
  - (e) Handy Guidelines for Management of Pancreatitis
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