

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

Term-End Examination

June, 2022

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

Time : 3 hours

Maximum Marks : 100

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

1. (a) Define Medical Nutrition Therapy. 2
(b) What do you understand by ABCD analysis? 3
(c) Illustrate the routine hospital diets in a flowchart format. 3
(d) Enlist the various types of nutrition support that can be provided to a critically ill individual. 3
(e) What is Lactated Ringer's solution? When is its use indicated? 3
(f) List the four general principles of allergy management. 2
(g) Give any four food sources related to cancer prevention. List the active ingredient in that food which reduces the risk. 4

2. (a) What is Diet Counselling ? What counselling strategies would you adopt for effective outcome ? 3+7
- (b) Elaborate, giving appropriate examples, the types of dietary adaptation you would prescribe for therapeutic needs. Discuss briefly. 10
3. (a) List any five metabolic change characteristics of infections. $2\frac{1}{2}$
- (b) What is Enteric Fever ? Present the dietary principles and guidelines for the management of enteric fever. $2\frac{1}{2}+7\frac{1}{2}$
- (c) Briefly explain the nutrition guidelines you would follow for nutritional care of post-operative patients. $7\frac{1}{2}$
4. Explain the following briefly, giving examples : 5+5+5+5
- (a) Foods effect on drug absorption
- (b) Classification of weight status according to BMI
- (c) Consequences of obesity
- (d) Dietary management of an underweight individual

5. (a) Enlist the common eating disorders found among individuals. 3
- (b) Enumerate the risk factors associated with coronary heart diseases. 7
- (c) Present the goals and dietary management of Hyperlipidemia. 10
6. (a) Comment on the energy needs and quantity and quality of fat in the diet of diabetic patients. 8
- (b) What are inborn errors of metabolism ? Explain giving examples. 5
- (c) Present the dietary management/guidelines and dietary counselling tips you would advocate to patients suffering from any one inborn error of metabolism that you have highlighted in (b) above. 7
7. (a) What is GERD ? Enlist/Highlight the points you would keep in mind while counselling GERD patients. 6
- (b) Present the medical nutrition therapy for patients suffering from : 7+7
- (i) Lactose Intolerance
- (ii) Liver Cirrhosis

8. (a) What are the common renal disorders affecting adult population ? 3
- (b) Present the medical nutrition therapy you would adopt for management of any one renal disorder. 7
- (c) What is a Ketogenic diet ? Present the dietary recommendation highlighting the foods you would include or exclude/avoid in a ketogenic diet. 10
9. Write short notes on any *four* of the following : 5+5+5+5
- (a) Renal Calculi – Dietary Management
- (b) Nutritional Management of Chronic Pancreatitis
- (c) Differentiate between Diverticulosis and Diverticulitis
- (d) Objectives and Nutritional Management of Hypertension
- (e) Use of Glycemic Index in the Management of Diabetes
-