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MFN-005

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

[M. SC. (DFSM)]

Term-End Examination

June, 2025

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

Time : 3 Hours

Maximum Marks : 100

Note : (i) *Question No. 1 is compulsory.*

(ii) *Attempt **five** questions in all.*

(iii) *All questions carry equal marks.*

1. (a) What do you understand by the term 'Diet Counselling' ? What points would you keep in mind while counselling on adolescent regarding maintaining good iron status ? 2+3
- (b) Enlist any *five* types of dietary adaptation you would advocate for therapeutic needs. 5
- (c) Define Medical Nutrition Therapy (MNT). Elaborate the role of MNT in patient care. 3+2
- (d) Differentiate between the following sets of terms : $2\frac{1}{2} + 2\frac{1}{2}$
- (i) Parenteral nutrition and Enteral nutrition
- (ii) Food allergy and Food intolerance

2. (a) Enumerate the medical nutrition therapy for an AIDS patient. Highlight its dietary guidelines. 10
- (b) "Stress response is a dynamic process." Justify the statement, highlighting the different phases of stress. 10
3. Explain the following giving suitable justifications : 5+5+5+5
- (a) Energy needs of burn patient vary according to depth and size of the burn.
- (b) Food, can decrease or increase a drug's rate of absorption.
- (c) Dumping syndrome can be minimized by adhering to anti-dumping diet.
- (d) Various etiological factors contribute to obesity.

4. (a) Enlist the goals of dietary management of hyperlipidemia. 3
- (b) As a dietitian, what specific dietary guidelines would you advocate to a hyperlipidemia patient (specially in the context of fat and carbohydrate intake) ? 10
- (c) “Depending on the severity of hypertension, different levels of sodium intake are recommended.” Justify the statement giving appropriate examples. 7
5. (a) Present the nutrition therapy and dietary intake you would advocate for an anorexic patient. 10

(b) Explain briefly the role of the following in the management of Diabetes mellitus : 5+5

(i) Food exchange system

(ii) Glycemic Index GI)

6. (a) What are metabolic diseases ? Explain giving examples. 5

(b) Present the dietary management recommended for a child suffering from Maple Syrup Urine Disease (MSUD). 5

(c) Briefly explain the role of fibre and residue in foods in the management of the following : 5+5

(i) Diarrhoea

(ii) Constipation

7. (a) Give the nutrient requirement and the handy guidelines you would suggest while feeding a peptic ulcer patient. 6
- (b) What would be the ideal dietary intake and guidelines for feeding a patient suffering from liver cirrhosis ? 8
- (c) What are the common kidney disorders ? Give the objectives of dietary management in renal diseases and highlight any *three* nutrients which are of particular importance in the diet of a renal patient. 2+2+2
8. Write short notes on any *four* of the following : 5+5+5+5
- (a) Uses and importance of ketogenic diet

- (b) Nutrient needs and feeding options for
low birth weight infants
- (c) Dietary management of GERD.
- (d) Gluten free diet and its importance in
Celiac disease
- (e) Dietary management of renal stones

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