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MFN-005

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

[M. SC. (DFSM)]

Term-End Examination

December, 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.*

B-1023/MFN-005

P. T. O.

1. (a) Explain the relationship between the following sets of terms : $2\frac{1}{2} \times 4 = 10$

- (i) Patient care and Counseling
- (ii) Nutrition care process and Nutritional assessment
- (iii) Normal nutrition and Therapeutic diet
- (iv) Malnutrition and Infection

- (b) List any *two* nutrients that have been reported to have beneficial effect in each of the following conditions : 5

- (i) Critically ill patient
- (ii) Tuberculosis
- (iii) Burns
- (iv) Epilepsy
- (v) Diabetes Mellitus

- (c) List any *two* foods you would avoid in the diet of patients suffering from the following disease conditions : 5
- (i) Celiac disease
 - (ii) Gout
 - (iii) Hypercholesterolemia
 - (iv) Galactosemia
 - (v) Gastritis
2. (a) List the salient features of the diet given to a patient suffering from Typhoid. 6
- (b) Enumerate the common diets prescribed in hospital situation, giving suitable examples. 8
- (c) Elaborate on the different modes of feeding used for therapeutic purpose. 6

3. (a) Present the pre-operative and post-operative nutritional care given to patients during surgery. 10
- (b) What are adverse food reactions ? As a nutritionist, what handy guidelines would you advocate to patients and their family members for prevention of adverse food reactions ? 2+8
4. (a) Give the simple classification you will adopt to define obesity. Enlist the energy requirement based on activity level for obese, normal and underweight subject. 2+5
- (b) What are lipoproteins ? Discuss their relevance in the context of coronary heart diseases. 2+5

- (c) What is hypertension ? Give the dietary guidelines recommended for a hypertensive patient. 2+4
5. (a) Briefly discuss the dietary modifications you would recommend for energy, proteins, fat and fibre for a diabetic patient. 10
- (b) Provide guidelines for diet counseling, prevention and control of the following : 5+5
- (i) Ulcerative colitis
- (ii) Phenylketonuria
6. Present the medical nutritional management for the following disease conditions : 5+5+5+5
- (a) Lactose intolerance

- (b) Diarrhoea
 - (c) Diverticular disease
 - (d) Chronic pancreatitis
7. (a) Give the main objectives of dietary management of chronic renal failure. Discuss the dietary guidelines and modifications you would suggest for a patient with chronic renal failure. 10
- (b) Present the nutritional management goals and dietary recommendations for a patient suffering from hepatic coma. 10
8. Write short notes on any *four* of the following : 5+5+5+5
- (a) Nutritional management of a child suffering from congenital heart disease

- (b) Nutrition support for elderly
- (c) Nutritional management of gall bladder stores
- (d) Current management approaches of peptic ulcer
- (e) Nutritional management of bulimia nervosa

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