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MFN-005

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

[M. SC. (DFSM)]

Term-End Examination

December, 2023

**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) Give *two* examples each of biological factors, socio-cultural factors and environmental factors affecting food choices. 3

(b) Differentiate between the following : $2\frac{1}{2}+2\frac{1}{2}$

(i) Primary and Secondary Hypertension

(ii) Peripheral vein feeding and Total parenteral nutrition

P. T. O.

- (c) Enlist any *three* points you would advocate to a patient. How to reduce the risk of drug-nutrient interaction ? 3
- (d) What is Ketoacidosis ? Which disease is it linked with and how it develops ? 3
- (e) What are lipoproteins ? How are they used in diagnosing hyperlipidemia ? 3
- (f) Enlist the diet therapy you would advocate for : $1\frac{1}{2}+1\frac{1}{2}$
- (i) Homocystinuria
- (ii) Phenylketonuria
2. (a) What is the nutrition care process ? Briefly discuss the components of the nutrition care process. 10
- (b) What is a therapeutic diet ? What is its purpose ? Give the dietary adaptations you would advocate for meeting therapeutic needs. 2+3+5
3. (a) Describe the dietary management of tuberculosis highlighting the nutrient needs and nutritional care of patients suffering from tuberculosis. 8

- (b) What is anorexia nervosa ? Briefly explain the nutritional management in anorexia nervosa. 7
- (c) What are the modifiable and non-modifiable risk factors in CHD ? 5
4. (a) Discuss the relevance and use of external feeds for patients. Enumerate the specific characteristics of external feeds. 7
- (b) What are the dietary recommendations for hepatic coma ? 8
- (c) Elaborate on the consequences of obesity. 5
5. (a) Discuss the relevance of dietary counselling for a patient suffering from Diabetes Mellitus. Prepare a checklist of ten points you would advocate to diabetic patients to improve their nutrition for management of the disease condition. 4+6
- (b) Present the dietary management you would advocate for a patient suffering from acute renal failure. 10
6. (a) Discuss the nutritional management of epilepsy. 6

- (b) Discuss the etiology, clinical features and nutritional management in Gastritis. 8
- (c) What dietary considerations you would recommend for management of gall bladder stones ? 6
7. (a) Enlist any *five* nutritional problems and clinical manifestations associated with cancer. How will you manage the cancer patient in relation to diet therapy and feeding problems ? 5+5
- (b) Give the nutrition medical therapy for hypertension. 10
8. Write short notes on any *four* of the following :
5+5+5+5
- (a) Nutritional assessment tools for elderly
- (b) Inborn errors of protein metabolism
- (c) Dietary management of peptic ulcer
- (d) Food intolerance and its dietary management
- (e) Consequences of weight imbalance