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MFN–005

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

[M. SC. (DFSM)]

Term-End Examination

December, 2024

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

Time : Three Hours

Maximum Marks : 100

Note : Question No. 1 is compulsory. Attempt **five** questions in all. All questions carry equal marks.

1. (a) What is hypertension ? Give the classification of hypertension. 1+2
- (b) Present the etiology of kidney stones. 3
- (c) Differentiate between acute infection and chronic infection giving examples. 3
- (d) Define diet therapy. How is it different than diet history ? 2+2
- (e) What is a low residue diet ? Give examples of foods you would include in a low residue diet. 2+1

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P. T. O.

(f) Explain the following in 2-3 sentences each :

2+2

(i) Ebb phase

(ii) Bulimia nervosa

2. List the nutrient requirements of a critically ill adult. What are the types of nutrition support we can provide to this adult for full recovery ? Explain giving examples. 5+5+5+5

3. Maya is an obese, diabetic patient (45 years of age) :

(a) How will you determine her energy and protein requirement ? Explain giving appropriate calculations. 5

(b) Briefly discuss the role of food exchange you will advocate to Maya while planning her diet. 5

(c) Comment on the carbohydrate distribution in her diet. 5

(d) Counsel her on the role of fibre and fat in her diet. 5

4. Explain the following briefly giving examples :

5+5+5+5

- (a) Salt restrictions in the diet of a hypertensive based on severity of the condition
- (b) Lipoproteins in the blood used in diagnosing hyperlipidemia
- (c) Dietary management of burns
- (d) Amount and type of dietary fats in the diet of a heart patient

5. Enlist the handy guidelines you would advocate for a patient suffering from the following :

5+5+5+5

- (i) Gout
- (ii) Ulcerative collitis
- (iii) Tyrosinemia
- (iv) Adverse food reaction

6. (a) Explain the concept of drug-nutrient interaction in the light of management of Parkinson's disease. 5

- (b) Briefly discuss the current dietary management approach for patients suffering from peptic ulcer. 5

- (c) Give the current nutritional management and feeding advocated for preterm infant. 5
- (d) Present the nutrition support you would recommend for the elderly. 5
- 7. (a) Enlist the protein, sodium and potassium intake recommended for a patient on dialysis. Enumerate the role of dietary management during dialysis. 10
- (b) What is hepatic coma ? Discuss the medical nutrition therapy for hepatic coma. 10
- 8. Write short notes on any *four* of the following :
5+5+5+5
 - (a) Feeding and nutritional issues, general goals of nutritional care for neurological diseases
 - (b) Salient features of a diet for a patient suffering from tuberculosis
 - (c) Diagnosis, prevention and treatment of adverse food reactions
 - (d) Medical nutrition therapy for gastritis
 - (e) Dietary consideration for a patient suffering from renal calculi.

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