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**MFN-005**

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

**M. SC. (DFSM)**

**Term-End Examination**

**Dec., 2021**

**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) List the food items you would avoid in the diet of the following, giving appropriate justifications :  $2 \times 10 = 20$

(i) Patient with gout

(ii) Child with maple syrup urine disease

(iii) Individual suffering from diverticulosis

(iv) Women suffering from ketoacidosis

(v) Patient with ulcerative colitis

(vi) Patient with gall bladder disease

(vii) Man suffering from chronic pancreatitis

(viii) Patient with renal calculi

(ix) Person suffering from dysphagia

(x) Child with food allergy

2. (a) What are the different areas of specialization for dietitians ? Explain giving examples. 10

(b) Briefly discuss the role of counselling in patient care. Highlight any *one* strategy you will adopt for counselling. 10

3. Differentiate between the following giving appropriate examples :  $5+5+5+5$

(a) Liquid diet and full liquid diet

(b) Tube feeding and peripheral vein feeding

(c) Acute fever and chronic fever

(d) Food allergy and food intolerance

**P. T. O.**

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4. (a) How will you calculate the energy needs of a burn patient ? 5
- (b) What is sepsis ? Enumerate the energy and protein needs of patients suffering from sepsis. 5
- (c) What guidelines would you recommend for cancer prevention ? 5
- (d) What calories deficit diets would you recommend for obese subjects ? Elaborate. 5
5. (a) "Nutrition education is an important component of management of eating disorders." Justify the statement, highlighting the tips you would advocate. 6
- (b) What are lipoproteins ? Enumerate the different types and their role in the body. 7
- (c) Give the objectives of nutritional management of hypertension. Depending on the severity of hypertension, what level of sodium intake you would recommend and measures to meet these recommendation may be highlighted ? 7

P. T. O.

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6. (a) What recommendation would you advocate regarding energy and quantity and quality of fat in the diet of a diabetic patient ? 4+4
- (b) What is GERD ? Name the common complications and the foods that must be avoided during this disease. 2+4
- (c) Briefly explain the etiology of peptic ulcer. 6
7. (a) Briefly discuss the medical nutrition therapy for hepatic coma. 10
- (b) Discuss the management of proteins, electrolytes and fluids in the diet of a renal patient, highlighting the modified recommended intakes. 10
8. Write short notes on any *four* of the following : 5 each
- (a) Nutritional management of low birth weight babies
- (b) Nutritional assessment tools for elderly patients
- (c) Different strains of hepatitis
- (d) Dietary management of burns patient
- (e) Supportive therapy in the management of diabetes mellitus

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