

No. of Printed Pages : 4

MFN-005

**MASTER OF SCIENCE (DIETETICS)
AND NUTRITION) [M. SC. (DFSM)]**

Term-End Examination

June, 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) Briefly explain the statement, "Dietetics is a multidisciplinary approach." 5
- (b) What do you understand by ABCD analysis? 2
- (c) What is a normal diet? Present a classification of diets based on consistency. 2+3
- (d) Differentiate between acute and chronic fevers giving appropriate examples. 3

P. T. O.

- (e) Illustrate the mechanism of adverse food reaction. 5
2. (a) Define medical nutrition therapy. Briefly discuss your role as a dietitian in the nutritional care process. 2+8
- (b) Briefly discuss the nutrition support you may provide to critically ill patients, giving appropriate examples. 10
3. (a) Define overweight and obesity. Give a simple classification you will use to classify overweight/obesity in adults. 5
- (b) How will you determine the energy requirement for an obese adult ? Explain giving example. 5
- (c) What is a food exchange table ? Discuss its relevance while planning a diet for a diabetic patient in the context of carbohydrate exchanges. 3+7
4. Explain the following briefly giving examples :
- (a) Risk factors in the causation of coronary heart diseases. 6
- (b) Type and amount of fat in the diet of a heart patient. 8

- (c) Salt restriction based on severity of hypertension. 6
5. (a) Give the etiology and explain the nutritional management for the following disease condition : 6+6
- (i) Peptic ulcer
- (ii) Ulcerative colitis
- (b) Present the nutrition medical therapy for Diarrhoea, with special reference to the role of diet and its management. 8
6. (a) What is the Celiac disease ? Discuss the dietary principle in the management of celiac disease. Highlight the foods/food combinations you would advocate for patient suffering from celiac disease. 2+3+5
- (b) Briefly explain the role of proteins and sodium in the management of chronic renal failure. Justify your answer giving appropriate examples. 10

7. (a) What is a ketogenic diet ? Who would you prescribe this diet for ? Present a ketogenic diet. 2+1+5
- (b) What dietary advice would you give to a patient
- (i) Suffering from Cirrhosis 6
- (ii) On dialysis ? 6
8. Write short notes on any *four* of the following : 5 each
- (a) Dietary counselling for a patient suffering from gout.
- (b) Dietary management of a child suffering from maple syrup urine disease
- (c) Nutrient-Drug Interaction
- (d) Nutritional medical therapy for a burn patient
- (e) Nutritional Management of GERD.