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MFN-005

**MASTER OF SCIENCE
(DIETETICS AND FOOD SERVICE
MANAGEMENT)
[M. SC. (DFSM)]**

Term-End Examination

June, 2026

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

Time : 3 Hours

Maximum Marks : 100

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

1. (a) Give *one* example each of the following factors affecting food choices : 3
 - (i) Socio-culture
 - (ii) Biological
 - (iii) Environmental
- (b) What is nutritional assessment ? How is this done ? Name the process. 2+2
- (c) Name any *four* therapeutic diets. 2
- (d) List any *two* conditions when enteral tube feeding for adults/children is indicated. 2
- (e) Explain the “Rule of Nine” in the context of burns. 2
- (f) Differentiate between food intolerance and food allergy, giving suitable examples. 3

- (g) Give any *two* examples highlighting the effect of food on drug absorption/ utilization. 2
- (h) Enlist any *two* food components and their food sources which may have a role in cancer prevention. 2
2. (a) Comment on routine hospital diets giving examples. 10
- (b) Present the nutritional care you would advocate for a patient suffering from tuberculosis. 10
3. (a) As a dietitian, discuss the pre-operative and post-operative nutrition care you would give to a patient undergoing surgery. 10

- (b) Briefly discuss the role of water-soluble and insoluble-fibre in the management of life-style diseases, giving appropriate examples. 10
4. Explain the following briefly : 5+5+5+5
- (a) Use of exchange table in the management of diabetes mellitus.
- (b) Dietary movement of Ulcerative Colitis.
- (c) Consequences of obesity.
- (d) Nutritional goal and management of anorexia nervosa.
5. (a) Present a short note on risk factors for coronary heart diseases. 5
- (b) What are lipoproteins ? Discuss their role in causation and prevention of dyslipidemia. 10

- (c) Depending on the severity of hypertension, different levels of sodium intake is recommended. Justify the statement giving suitable examples. 5
6. Present the goals and nutritional management of the following diseases conditions : 5+5+5+5
- (a) Gout
 - (b) Maple Syrup Urine Disease
 - (c) Peptic Ulcer
 - (d) Diverticular disease.
7. (a) Present the nutritional medical therapy for cirrhosis. 10
- (b) What dietary modifications would you recommend with respect to proteins, fluids and electrolytes in care of common renal diseases ? 10

8. Write short notes on any *four* of the following : 5+5+5+5

- (a) Chronic gastritis
- (b) Nutritional management of Epilepsy
- (c) Constituents of renal stores and their corresponding dietary restrictions
- (d) Dietary management of HIV/AIDS
- (e) Nutritional management of Dialysis patient

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