

**MASTER OF SCIENCE (DIETETICS AND
FOOD SERVICE MANAGEMENT) (M.Sc. DFSM)**

Term-End Examination

June, 2021

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

Time : 3 hours

Maximum Marks : 100

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- Note :** 1. Answer **five** questions in all.
2. Question no. 1 is **compulsory**.
3. All questions carry equal marks.
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1. (a) List any one factor for each of the following affecting food choices : 3
(i) Biological
(ii) Socio-cultural
(iii) Environmental
- (b) Define Medical Nutrition Therapy (MNT). 2
- (c) List any two approaches relevant to Counselling. 2
- (d) What is a General Diet ? Who is it intended for ? 3
- (e) Mention any two metabolic changes occurring in the body as a consequence of infection. 2

- (f) What is 'Rule of Nine' in the context of burns ? Explain with suitable example. 2
- (g) List the three phases of stress response. $1\frac{1}{2}$
- (h) Give any two parameters you would consider as diagnostic criteria for sepsis. 2
- (i) List any five common food allergies seen in adults. $2\frac{1}{2}$
- 2.** (a) Enumerate the role of a clinical dietitian in a hospital. 5
- (b) Briefly describe the four steps involved in the nutritional care process. 10
- (c) Differentiate between enteral and parenteral nutrition, highlighting the conditions where they are recommended. 5
- 3.** (a) Present a brief review on routine hospital diets prescribed in clinical practice. Substantiate your answer with suitable examples. 10
- (b) Why is tuberculosis called a wasting disease ? Enumerate the salient features of the diet you will prescribe to a tuberculosis patient. 10

4. (a) Present the criteria you will use to assess underweight, overweight and obesity among children (10 – 12 years) and adults. $2\frac{1}{2}+2\frac{1}{2}$
- (b) Briefly discuss the consequences of underweight and obesity among adults. 10
- (c) Elaborate on the role of physical activity on health. 5
5. (a) Give the common disorders and complications of Coronary Heart Diseases (CHD). 5
- (b) Briefly discuss the risk factors for coronary heart diseases. 5
- (c) “Quantity and quality of fat is directly associated with Dyslipidemia.” Justify the statement highlighting the role of dietary fats in management of Dyslipidemia. 10
6. (a) Discuss the role of dietary fibre and glycemic index in the dietary management of diabetes mellitus. 6
- (b) What are inborn errors of metabolism ? Give the clinical manifestation and dietary management you would advocate for any one inborn error of metabolism. 2+6
- (c) Briefly discuss the dietary management of children with diarrhoea. 6

7. Explain the following briefly, giving examples :
- (a) BCAA are preferred in liver diseases. 5
 - (b) Feeding is a challenge in chronic renal failure. 8
 - (c) Dietary and other factors to be considered for management of peptic ulcer. 7
8. Write short notes on any **four** of the following : 5+5+5+5
- (a) Food Combinations for a Gluten-free Diet
 - (b) Ketogenic Diet
 - (c) Drug-Nutrient Interaction
 - (d) Diet Therapy for Anorexic Patients
 - (e) Medical Nutrition Therapy for Gout
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