

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

Term-End Examination

December, 2016

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

Time : 3 hours

Maximum Marks : 100

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

1. (a) State True or False. Correct the false statement. 5
- (i) Ratio of n-3/n-6 in the diet should be 0.8-1.0.
 - (ii) In a ketogenic diet usually 75-80% of the total recommended energy intake must come from fats.
 - (iii) The calorie requirement for an overweight sedentary individual is 30 kcal/kg body weight.
 - (iv) An Indian adult of BMI 24.9 kg/m² may be considered normal weight.
 - (v) Prebiotic is the microbial foods or supplements that can be used to change or re-establish the intestinal flora and improve the health of the host.

- (b) What is Wilson's disease? List any two food items that must be avoided in this disease condition. **2½**
- (c) Differentiate between enteral and parenteral feeding. **2½**
- (d) Explain the following in 2-3 sentences each : **10**
- (i) Steatorrhoea
 - (ii) Hypokalemia
 - (iii) Binge eating
 - (iv) Dumping Syndrome
 - (v) Enteric Fever
2. Explain the following statements briefly giving appropriate examples : **5+10+5**
- (a) Therapeutic diets are adaptation of the normal diet.
 - (b) Nutrition care process is a systematic approach to ensure effective nutrition intervention.
 - (c) Tuberculosis is called a wasting disease.
3. (a) What is AIDS? Give the nutrition medical therapy for an AIDS patient. **2+5**
- (b) Briefly explain the dietary management giving the pre-operative and post-operative nutrition care you would provide to a patient going for surgery. **10**
- (c) Define and classify burns. **3**

4. (a) What is food allergy ? Elaborate on the guidelines/strategies you would adopt to prevent food allergy. 2½+5
- (b) What do you understand by drug nutrient interaction ? Explain with the help of an example. Give five handy guideline that you will advocate to patients to use drugs wisely. 5+2½
- (c) Enlist any five nutritional problems and clinical manifestations associated with cancer. 5
5. (a) What is weight imbalance ? Briefly enumerate the consequences of weight imbalance. 2+3+3
- (b) Briefly explain the contribution and management of carbohydrates in the diet of an insulin dependent diabetic. 7
- (c) A 50 year old bank executive complaints of swollen and tender big toe with severe attack of pain. What is the disease condition he is suffering from ? What dietary advice would you give him to overcome his problem. 1+4
6. Elaborate on the nutrition medical therapy for the following conditions : 6+8+6
- (a) GERD
- (b) Liver Cirrhosis
- (c) Epilepsy

7. (a) What are the common nutritional problems linked with acute renal failure? Enumerate the diet therapy and guidelines for management of acute renal failure. 2+8
- (b) List any three inborn errors of protein metabolism. Give the nutrition medical therapy for any one disorder. 3+7
8. Write short notes on any four of the following :
- (a) Dietary management of peptic ulcer 5+5+5+5
- (b) Feeding and nutritional issues related to neurological diseases
- (c) Classification of Eating Disorders
- (d) Nutritional assessment tools for elderly
- (e) Dietary guidelines for hyperlipidemic patients
-