

M.Sc Sem-3 Examination**503****Food Science & Nutrition****November-2024****Time : 2-30 Hours]****[Max. Marks : 70**

Instructions: All questions in Sections I & II carry equal marks

Illustrate your answers with neat diagrams wherever necessary.

Question 1 Write the following

- (i) Who are Dietitians? Discuss its classification in detail. (7 Marks)
- (ii) Discuss the types of different Hospital diets in detail. (7 Marks)

OR

- (i) Define therapeutic diet. How therapeutic modifications of the normal diet can be done? (7 Marks)
- (ii) Define dietetics. Explain the history of dietetics in detail. (7 Marks)

Question 2 Write the following

- (i) Write causes, clinical features and nutritional management of Tuberculosis (7 Marks)
- (ii) What is Hepatic Encephalopathy? Explain the suggestive theories for its cause. (7 Marks)

OR

- (i) Write Etiology, symptoms and nutritional management of Crohn's Disease (7 Marks)
- (ii) Define AKI, Explain the etiological factors for the same. (7 Marks)

Question 3 Write the following

- (i) What are the various approaches used in the management of Hypertension? Discuss the dietary guidelines as observed in the DASH diet. (7 Marks)
- (ii) Explain the process of diabetic ketoacidosis, including its causes, symptoms, and treatment. (7 Marks)

OR

- (i) With the help of a schematic diagram, discuss in detail the development of atherosclerosis. (7 Marks)
- (ii) Explain the role of diet and lifestyle in the management and prevention of Type 2 diabetes mellitus. (7 Marks)

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Question 4 Write the following

- (i) What is Gout? Explain the steps involved in purine metabolism. (7 Marks)
- (ii) How Gout can be managed through diet? (7 Marks)

OR

- (i) What are the dietary recommendations for patients suffering with Gout? (7 Marks)
- (ii) Explain the risk factors involved in Gout development. (7 Marks)

Question 5 Attempt any seven out of twelve (14 Marks)

- (i) Explain the metabolic disease, Gout? How is this caused?
 - (ii) Explain the steps involved in degradation of purine to uric acid.
 - (iii) Weak tea or coffee is example of ____ diet.
 - (iv) Which diet is commonly prescribed for patients with cardiovascular disease?
 - (v) Who is RD?
 - (vi) What is Atonic Constipation?
 - (vii) What is the composition of ORS (WHO formulation)?
 - (viii) What is difference between Ulcerative colitis and crohn's disease
 - (ix) What is myocardial infarction?
 - (x) Define weight recycling or "yo-yo" effect in weight loss regime.
 - (xi) What is the role of HbA1c in diabetes management?
 - (xii) Define gestational diabetes mellitus (GDM).
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