

M.Sc Sem-3 Examination
503
Food Science & Nutrition

Time : 2-30 Hours]**November-2024****[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 (7 Marks) can be done?
- (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 (7 Marks) cause.

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? (7 Marks) Discuss the dietary guidelines as observed in the DASH diet.
- (ii) Explain the process of diabetic ketoacidosis, including its causes, symptoms, (7 Marks) and treatment.

OR

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

(P.T.O)

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).