

Instructions: Illustrate your answers with neat diagrams wherever necessary.

Q. 1 Write the following

- (i) What are nutrition monitoring and evaluation components? (7 Marks)
- (ii) Explain in detail the Nutrition Care Process (NCP). (7 Marks)

OR

- (i) Explain the different Anthropometric measures used in nutrition assessment. (7 Marks)
- (ii) Explain the metabolic response to starvation and infection. (7 Marks)

Q. 2 Write the following

- (i) What is enteral nutrition? Describe its types and routes. (7 Marks)
- (ii) Describe the role of nutrition in palliative care and during rehabilitation, highlighting changes in goals and strategies across stages. (7 Marks)

OR

- (i) What is parental nutrition? Mention the two types and when it is used. (7 Marks)
- (ii) A 65- year old male patient is admitted to the ICU with sepsis and is on mechanical ventilation. He is hemodynamically stable, has a functioning gastrointestinal tract, and is expected to remain ventilated for at least 5 days. Design a nutritional care plan for this patient. Include the route of feeding, calorie and protein requirements, type of formula, and precautions. (7 Marks)

Q. 3 Write the following

- (i) Explain goal, benefits, types, and different challenges of rehabilitation. (7 Marks)
- (ii) What are the components of post flood rehabilitation? (7 Marks)

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OR

- (i) Write a note on Nutrition Rehabilitation Centre (NRC). (7 Marks)
- (ii) Write a brief note on types of supplementary food for nutritional relief? (7 Marks)

Q. 4 Write the following

- (i) What kind of information is provided in a food label? Explain. (7 Marks)
- (ii) Explain how bioterrorism is a threat to food safeties. (7 Marks)

OR

- (i) Discuss the different types of biological, physical, and chemical hazards that affect food supply. (7 Marks)
- (ii) Write a note on food adulteration with respect to India. (7 Marks)

Q 5. Attempt any seven out of twelve

(14 Marks)

- (i) Define malnutrition.
- (ii) What is NCP?
- (iii) Total Parental Nutrition (TPN) is delivered through:
 - (a) Mouth (b) Nasogastric tube (c) Central vein (d) Rectum
- (iv) Define refeeding syndrome and mention one electrolyte abnormality associated with it.
- (v) What is the role of "Apadamitra".
- (vi) Define fortified food with example?
- (vii) Botulism is caused by which microorganism?
- (viii) Give 2 purpose of rehabilitation centre.
- (ix) What is incidental adulteration?
- (x) What are the 3R(s) considered for waste disposal?
- (xi) Give one advantage of incineration.
- (xii) In how many categories bioterrorism agents can be classified.

