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2011E704

Candidate's Seat No : _____

M.Sc Sem-3 Examination

501

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) Describe anthropometry method of nutritional assessment in detail. (7 Marks)
- (ii) What are the determinants of health status? Explain the factors associated with it. (7 Marks)

OR

- (i) Explain the term nutritional status? What are the methods used for assessing nutritional status? (7 Marks)
- (ii) Explain the dietary methods of assessing nutritional status of an individual. (7 Marks)

Question 2 Write the following

- (i) What is Nutritional Anemia? Describe causes and types of anaemia. Also explain the clinical signs and symptoms of iron deficiency anemia. (7 Marks)
- (ii) Explain Vitamin A Deficiency in detail. What measures would you adopt for the prevention of vitamin A deficiency. (7 Marks)

OR

- (i) Write a detailed note on iodine deficiency disorder. (7 Marks)
- (ii) Describe the causes, clinical features and prevention of protein-energy malnutrition. (7 Marks)

Question 3 Write the following

- (i) Write down the complications of pregnancy. (7 Marks)
- (ii) Explain the physiology of lactation. (7 Marks)

OR

- (i) Explain the advantages of breastfeeding to mother and child. (7 Marks)
- (ii) Discuss the physiological changes occur during pregnancy in detail. (7 Marks)

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Question 4 Write the following

- (i) What is the programme strategy for the National Prophylaxis Programme for Prevention of Nutritional Blindness? (7 Marks)
- (ii) Discuss the role of international organisations in combating malnutrition (7 Marks)

OR

- (i) What is IDD? How it can be prevented? Explain NIDDCP in detail. (7 Marks)
- (ii) Discuss the role of national organisations in combating malnutrition. (7 Marks)

Question 5 Attempt any seven out of twelve

(14 Marks)

- (i) What is IMR ? Explain.
 - (ii) What is the full form of QALY and DALY.
 - (iii) Explain Broka's index.
 - (iv) What are "Bitot's spots" ?
 - (v) What is megaloblastic Anemia?
 - (vi) What is koilonychia?
 - (vii) What is a characteristic symptom of marasmus, a type of PEM?
 - (viii) Moon face is a characteristic feature of _____.
 - (ix) Which hormone is termed as milk ejecting hormone?
 - (x) What is colostrum?
 - (xi) Write the full form of ICDS.
 - (xii) Write any two research and development activities of CSIR.
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