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B.Sc. (Hons with Research)/ B.Sc. (Hons) as per FYUP
Semester III (March 2024)

Paper Code: BCH MDC 301
Paper Title: NUTRITION IN HEALTH AND DISEASE MANAGEMENT

Time: **2 hours**

Maximum Marks: **45**

Write the Roll No. at the top immediately on receipt of this Question Paper. Attempt all Questions. All parts of the Question must be attempted in continuation. Start Answering each question on new page. Cite examples and draw labeled diagrams wherever necessary.

SECTION A

Question 1. Answer ALL the following questions.

[1x10=10]

- A. What are essential nutrients?
- B. What do you mean by Balanced diet?
- C. What is a bond between amino acids called?
- D. Explain dietary fibers.
- E. RDA is
- F. Urine is made in the.....
- G. Write the definition of thyroiditis.
- E. What do you mean by hypertension?
- H. What is growth charts?
- I. Which among the following is not a Lipid?
 - a) Oils
 - b) Proteins
 - c) Fats
 - d) Waxes

SECTION B

Question 2. Attempt ANY THREE questions from the following.

[3x5=15]

- A. What are Vitamins? Give a detailed note on the classification of vitamins.
- B. Explain about the malnutrition in children's and its consequences.
- C. What is Diabetes? Explain the symptoms and causes of diabetes.
- D. What are proteins? Give a note on the structure and functions of proteins.
- E. What is RDA? Write down about the formulation and dietary guidelines of RDA.

SECTION C

Question 3. Answer ANY TWO of the following questions.

[2x10=20]

- A.** What are carbohydrates? Explain the classification and properties of carbohydrates.
- B.** What are nutrients? Give a brief account about the diseases caused due to the deficiency of nutrients.
- C.** What is cancer? What is the difference between a normal cell and a cancerous cell? Explain about the symptoms and causes of cancer.
- D.** What are digestive disorders? What are some of the common gastrointestinal diseases that healthcare providers treat?
- E.** Explain about the main dietary minerals and trace elements in human nutrition.

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