CSM : 14

HOME SCIENCE
PAPER - II

Time Allowed : 3 hours   Full Marks : 100

Marks for each question is indicated against it.

Attempt <u>any 5 (five)</u> questions taking not more than 3 (three) questions from each Part.

PART A

1. Discuss the food fads and fallacies commonly followed by the people in India. Enumerate the sources and requirement of protein in the diet.   **(14+6=20)**

2. (a) What is Diet Therapy? Enumerate the general rules for Diet Treatments.   **(4+6=10)**

   (b) Discuss the principles involved in planning diets for Diabetic patient.   **(10)**

3. (a) Describe how carbon and nitrogen are detected in organic compounds.   **(6)**

   (b) Give one method of preparation of each of the following, giving equations involved:

   (12)

      (i)   Ethyl iodide
      (ii) Ethyl alcohol
      (iii) Acetone

   (c) Give two uses of each: **(2)**
      (i) Oxalic acid
      (ii) Citric acid

4. (a) What is genetic code? Explain the chemistry and structure of DNA.   **(4+6=10)**

   (b) Differentiate between saturated and unsaturated fatty acid giving one example of saturated and unsaturated fatty acid.   **(6+4=10)**

PART B

5. (a) Enumerate the factors and principles affecting growth and development.   **(5+5=10)**

    (b) Explain the role of "Nature and Nurture" that affect growth and development of a child.
    (10)

6. What are the various stages of prenatal development? Differentiate between natural and unnatural birth processes. Explain common physical hazards during prenatal period. Most of the parents consider early childhood is "a problem or troublesome age." Why?
    (5+6+6+3=20)

7. What is endemic flurosis? Briefly enumerate the disorders caused by protein energy malnutrition and describe in detail any one of them.   **(4+6+10=20)**

8. Write the differences between Frobel and Maria Montessori's views on early childhood education. Discuss the importance of play during childhood for personality development of an individual.   **(10+10=20)**

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