

CSM : 18

HOME SCIENCE

PAPER - II

Time Allowed : 3 hours

Full Marks : 100

Marks for each question is indicated against it.

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

PART - A

1. Define food. Name the vitamin that constitute B-Complex group. Describe the process by which proteins are converted to amino acid during digestion. Plan a days menu for a school going child giving RDA for important nutrients. **(3+3+6+8=20)**

2. (a) Discuss the vicious cycle of malnutrition. Write down the preventive measures to overcome malnutrition. **(5+5=10)**
(b) Give the dietary considerations for an under weight individual. **(10)**

3. What are carbohydrates? Classify. Give the structure, properties and significance of carbohydrates. **(3+3+3+5+6=20)**

4. Define and describe the following metabolic processes: **(4×5=20)**
 - (a) Gluconeogenesis
 - (b) Glycogenesis
 - (c) Glycolysis
 - (d) Glycogenolysis

PART - B

5. State the prevalence of vitamin A deficiency in India and discuss the prophylactic measures used in India. What are the problems involved in feeding programmes in India? Write the nutritional requirement of a PEM Child. **(8+6+6=20)**
6. Define growth and development. Describe the principles of growth and development. Mention the factors influencing prenatal development of a child. **(5+10+5=20)**
7. Define Adolescence. Write in detail about the meaning, causes and expression of heightened emotionality during adolescence. **(3+4+7+6+=20)**
8. Explain the following: **(4×5=20)**
- (a) Developmental task of early childhood
 - (b) Social problems of adolescence
 - (c) Physiological changes of late adulthood
 - (d) Conditions affecting prenatal development

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