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 viscious 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+5+6=20)

4. Define and describe the following metabolic processes: (4×5=20)
   
   (a) Gluconeogenesis
   
   (b) Glycogenesis
   
   (c) Glycolysis
   
   (d) Glycogenelysis
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: \(4\times5=20\)
   
   (a) Developmental task of early childhood
   
   (b) Social problems of adolescence
   
   (c) Physiological changes of late adulthood
   
   (d) Conditions affecting prenatal development

* * * * * * *