

**2022**  
**B.A./B.Sc.**  
**Fourth Semester**  
GENERIC ELECTIVE – 4  
**ZOOLOGY**  
*Course Code: ZOG 4.11*  
(Food, Nutrition & Health)

*Total Mark: 70*  
*Time: 3 hours*

*Pass Mark: 28*

*Answer five questions, taking one from each unit.*

**UNIT-I**

1. (a) Write the food components and food nutrients available in meat and vegetables. 7  
(b) Discuss the concepts of balance diet with its importance to individuals. 7
2. Describe the patterns of diet of pregnant mother, nursing mother and old woman. 14

**UNIT-II**

3. Define carbohydrates. Write the classification of carbohydrates, their sources and important role as a nutrient. 14
4. (a) Write a note on water and fat soluble vitamins. 7  
(b) Write the importance of calcium and phosphorus in human body. 7

**UNIT-III**

5. Write the nutritional deficiency diseases of protein. 14
6. (a) Write in brief the deficiency disorders of vitamins. 7  
(b) Discuss the deficiency disorders of iron in the body. 7

#### UNIT-IV

7. (a) Discuss the causes and preventive measures of diabetes mellitus. 7  
(b) Write note on the health problem caused by smoking habit. 7
8. Describe the modes of transmission and preventive measures of acquired immuno-deficiency syndrome. 14

#### UNIT-V

9. Write a general knowledge about the mode of transmissions, causative agents of water borne diseases and their treatments. 14
10. (a) Describe the causes, symptoms, and prevention of amoebiasis. 7  
(b) Write the note on taeniasis with its causes and preventive measures. 7
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