

**THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED**

**Q.1. Answer the following short questions: (6x5=30)**

- i. What is the difference between essential and non-essential amino acids? Write names of any two essential amino acids.
- iii. Define Mal nutrition. Write its types.
- iii. Write functions of Proteins in body.
- iv. Write classification of Vitamins in detail.
- v. What is meant by Hydrogenation? Give examples of hydrogenation facts.
- vi. Write functions of Water in Human Body.

**Q.2. Answer the following questions. (3x10=30)**

- i. Write a detailed note on functions of vitamin A in the body.
- iii. What is the difference between macro and micro minerals? Write signs and symptoms of Iodine deficiency.
- iii. Explain the process of digestion in human body in detail.