



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

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

- i. Non-standard amino acids, their structure and role**
- ii. Tertiary and Quaternary structure of proteins**
- iii. How enzymes work**
- iv. Disaccharides, their types, structure and function**
- v. Population dynamics and regulations**
- vi. Genetic drift**

Answer the following questions. (3x10=30)

Q.2 Describe Structure and major functions of polysaccharides

Q.3 Write a comprehensive note on the nature and origin of life.

Q.4 Give comprehensive note on basic population characters, growth and growth curves