

- i) Conformation and Configuration
 - ii) Reducing and non-reducing sugar
 - iii) Anomer and epimer
 - b) Write the classification of proteins (7)
- Q-5** **Attempt all questions** (14)
- a) Write a note explaining the basic properties and functions of saturated and unsaturated fatty acids (7)
 - b) Write a note on sphingomyelins explaining the structure and function of cerebrosides and gangliosides (7)
- Q-6** **Attempt all questions** (14)
- a) Draw a well labeled diagram of double helical structure of DNA (7)
 - b) Write a note giving the classification and functions of monosaccharides (7)
- Q-7** **Attempt all questions** (14)
- a) Explain the various physical conditions required for growth of a cell (7)
 - b) Explain the structure and function of hemoglobin (7)
- Q-8** **Attempt all questions** (14)
- a) Explain the denaturation and annealing of DNA with the help of an cot curve (7)
 - b) Describe the mechanism of an enzyme catalysed reaction (7)

