1. **Write any four from following:** (08)
   
   (a) Define: QWERTY Keyboard.
   
   (b) Differentiate fourth Generation & Fifth Generation Computer.
   
   (c) Give two example of Optical Storage Device.
   
   (d) Give full form of KEGG & BTIS.
   
   (e) Define: Computer and Bioinformatics.

2. **Explain in detail (Any Two):** (14)
   
   (a) Describe system software & application software with suitable example.
   
   (b) What is server? Write a note on Genomics and Proteomics server available in India.
   
   (c) Write a detail note on DBMS with its purpose and application.
3 Explain in detail (Any Two):
(a) Explain components of BTIS net.
(b) Describe NCBI.
(c) Describe Scope & Research area of Bioinformatics.

4 Write a note on: (Any Two):
(a) Relational Data model with suitable example.
(b) EMBL Database.
(c) Processing device and their role in computer system.