1. Answer the following: (Any Five) 10
   (a) List the characteristics of computer.
   (b) Give Full Form of EMBL & NCBI.
   (c) Give two example of Optical Storage device.
   (d) What is difference between DDL & DML?
   (e) List two Protein Structure Databases.
   (f) What is Virgin? State for what purpose it is used.

2. Answer the Following:
   (a) Describe evolution & characteristics of computers. 6

   OR

   (a) Write a note on Processing Device.
   (b) Write a note on Storage Device. 7

   OR

   (b) Describe Data Definition Language in detail.
3 Answer the Following:

(a) Describe Database Architecture in detail.

OR

(a) Write a note on Conformational Epitope Prediction Server in India.
(b) Describe Database Retrieval Tools in detail.

OR

(b) Describe EMBL in detail.

4 Write short note on: (any two)

(a) Scope & Research area of Bioinformatics.
(b) Kyoto Encyclopedia of Gene & Genome.
(c) SCOP Database.