A-1682

B. Sc. / M. Sc. (Int.) (Biotechnology) (Sem. V) (CBCS) Examination

March/April – 2015

C1 - Introduction to Computers & Bioinformatics.

Time :   Hours]   [Total Marks :

Instruction :

નીચે દર્શાવેલ ☞ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☞ signs on your answer book.
Name of the Examination :
☞ **B. Sc. / M. Sc. (Int.) Biotechnology (Sem. V) (CBCS)**
Name of the Subject :
☞ **C1 - Introduction to Computer & Bioinformatics.**
☞ Subject Code No.: | 1 | 6 | 8 | 2 | ☞ Section No. (1, 2,.....) : **Nil**

Seat No. :

Student's Signature

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 Virgen? 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. il.   **6**

<div align="center">OR</div>

    (a) Write a note on Conformational Epitope Prediction Server in India.

    (b) Describe DatabaseRetrieval Tools in detail.   **7**

<div align="center">OR</div>

    (b) Describe EMBL in detail.

4 Write short note on: (any two)   **14**

    (a) Scope & Research area of Bioinformatics.

    (b) Kyoto. Encyclopedia of Gene & Genome.

    (c) SCOP Database.

_____