



DG-1686

B. Sc. (Biotechnology) (Sem. V) (CBCS) Examination
March / April – 2016

**Core-I Course - I : Introduction to Computer &
Bioinformatics**
(New Course)

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दर्शादिएव निशानीवाणी विगतो उत्तरवडी पर अवश्य कपनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> B. SC. (BIOTECHNOLOGY) (SEM. V) (CBCS)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> CORE-I COURSE - I : INTRODUCTION TO COMPUTER & BIOINFORMATICS	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="8"/> <input type="text" value="6"/>	<input type="text"/>
Section No. (1, 2,...): <input type="text" value="Nil"/>	
	Student's Signature

- (2) Figures to the right indicate full marks.
(3) Draw neat and labeled diagrams wherever necessary.

1. Write any four from following: (08)

- Define: QWERTY Keyboard.
- Differentiate fourth Generation & Fifth Generation Computer.
- Give two example of Optical Storage Device.
- Give full form of KEGG & BTIS.
- Define: Computer and Bioinformatics.

2. Explain in detail (Any Two): (14)

- Describe system software & application software with suitable example.
- What is server? Write a note on Genomics and Proteomics server available in India.
- Write a detail note on DBMS with its purpose and application.

3 Explain in detail (Any Two): (14)

- (a) Explain components of BTIS net.
- (b) Describe NCBI.
- (c) Describe Scope & Research area of Bioinformatics.

4 Write a note on: (Any Two): (14)

- (a) Relational Data model with suitable example.
 - (b) EMBL Database.
 - (c) Processing device and their role in computer system.
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