



MBD-1603220001010300 Seat No. _____

B. Sc. (Bioinformatics) (Sem. I) (CBCS)

Examination

November / December – 2016

BI : 103 : Introduction to Computer Programming
(New Course)

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- Instructions: (1) All questions are compulsory.
(2) The right side figure indicates total marks of the question.

Q.1 Attempt the following: [14]

- (a) Answer the following short questions: (ALL COMPULSORY) 4**
1. Who made the Difference Engine?
 2. ENIAC stands for?
 3. VGA stands for?
 4. What is the capacity of 3.5 inch floppy disk?
- (b) Answer ANY ONE of the following short questions 2**
1. Define CPU.
 2. Define pointing devices
- (c) Answer ANY ONE of the following short questions 3**
1. Explain characteristics of computer
 2. Explain scanners
- (d) Explain ANY ONE of the following questions in details 5**
1. Explain history of computer
 2. Define input devices and explain any few input devices with example

Q.2 Attempt the following: [14]

- (a) Answer the following short questions: (ALL COMPULSORY) 4**
1. The translator program used in assembly language is called -----
 2. Assembly language and machine language is also called -----
 3. Which is the limitation of high level language?
 4. Which was the first electronic computer in the world?

- (b) Answer ANY ONE of the following short questions 2
1. What is mnemonic code?
 2. Define high level languages
- (c) Answer ANY ONE of the following short questions 3
1. Explain the relationship between hardware and software
 2. List down the uses of software
- (d) Explain ANY ONE of the following questions in details 5
1. Explain for loop and while loop using example.
 2. Write a short note on algorithms and flowcharts

Q.3 Attempt the following: [14]

- (a) Answer the following short questions: (ALL COMPULSORY) 4
1. Process is -----.
 2. Who is the developer of C Shell?
 3. Which command is used to display the content of the particular file?
 4. Which command is used to list out the files and directory names?
- (b) Answer ANY ONE of the following short questions 2
1. Define operating system
 2. Define server
- (c) Answer ANY ONE of the following short questions 3
1. Explain the features of operating system
 2. Differentiate windows OS V/s Linux OS
- (d) Explain ANY ONE of the following questions in details 5
1. Write a short note on evolution of operating system
 2. Explain types of server with example

Q.4. Attempt following [14]

- (a) Answer the following short questions: (ALL COMPULSORY) 4
1. IPv6 addressed have a size of -----
 2. Full form of TCP.
 3. The Internet was originally a project of which agency?
 4. The process of transferring files from a computer on the Internet to your computer is called -----
- (b) Answer ANY ONE of the following short questions 2
1. Define: Internet
 2. Define: Protocols
- (c) Answer ANY ONE of the following short questions 3
1. Explain internet services
 2. What are the advantages and disadvantages of internet?

- (d) Explain ANY ONE of the following questions in details** 5
1. Explain types of internet connection
 2. Write a short note on HTTP

Q.5 Attempt the following: [14]

- (a) Answer the following short questions: (ALL COMPULSORY)** 4
1. The primary job of the operating system is -----
 2. Who is called the supervisor of computer activity?
 3. The file system NTFS stands for?
 4. -----shares characteristics of both hardware and software

- (b) Answer ANY ONE of the following short questions** 2
1. Define: Shell
 2. Define: Kernel

- (c) Answer ANY ONE of the following short questions** 3
1. What are features of UNIX OS
 2. Write a short note on I/P redirection commands

- (d) Explain ANY ONE of the following questions in details** 5
1. Explain architecture of unix/linux
 2. Explain the following commands:
 - a. Wc -l
 - b. >>
 - c. Head
 - d. Tail
 - e. Sort -r