

F. Y. B. Sc. (Biotechnology) SEM – I (CBCS - 2015 COURSE) :

WINTER - 2018

Subject: Basics of Computer

Day: Monday
Date: 29/10/2018

W-2018-1169

Time: 10.00 AM TO 01.00 PM
Max. Marks: 60

N.B.:

- 1) Q1 and Q5 are compulsory.
- 2) Answer ANY TWO questions from Q 2, 3, 4 in Section I.
- 3) Answer ANY TWO questions from Q 6, 7, 8 in Section II.
- 4) Answers to Both the sections to be written in SEPARATE answer books.
- 5) Draw a labeled diagram WHEREVER necessary.

SECTION - 01

Q.1) Answer the following: (ANY FIVE) (2 Marks X 5 = 10)

- a) List the technology used in four generations of computer.
- b) What is internet?
- c) Enlist different I/O units used in computers.
- d) Explain hexa decimal number system.
- e) Explain the term “software” and relationship between software and hardware.
- f) Enlist Types of Programming Languages.

Q.2) Answer the following: (5 Marks X 2 = 10)

- a) Do the following conversions.
 - a) $(A7D)_{16}$ to octal
 - b) $(463)_8$ to decimal
- b) Explain binary subtraction using complimentary method.

Q.3) Explain the following: (5 Marks X 2 = 10)

- a) Explain secondary storage devices in details.
- b) Explain Analogy of programming language with natural language.

Q.4) Write short notes on the following: (5 Marks X 2 = 10)

- a) Non-Positional Number Systems
- b) Assembler

SECTION - 02

Q.5) Answer the following: (ANY FIVE) (2 Marks X 5 = 10)

- a) Explain UniProgramming.
- b) Enlist File operations performed by OS.
- c) Explain unary operator with example.
- d) Explain the term “comments” in C.
- e) Explain the use of keyword “enum”.
- f) What is post and pre increment? Explain with example.

Q.6) Answer the following: (5 Marks X 2 = 10)

- a) Define flowchart. Explain its use with example.
- b) Write a program to print multiplication table of a user input numbers.

Q.7) Explain the following: (5 Marks X 2 = 10)

- a) Explain MS Word and its features.
- b) Explain the syntax to declare ,initialize and access elements in an array.

Q.8) Write short notes on the following: (5 Marks X 2 = 10)

- a) Recursion
- b) Primitive data types
