F. Y. B. Sc. (Biotechnology) SEM – I (CBCS - 2015 COURSE) :
WINTER - 2018
Subject: Basics of Computer

Day: Monday   **W-2018-1169**   Time: 10.00 AM TO 01.00 PM

Date: 29/10/2018   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

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