F. Y. B. Sc. (Biotechnology) SEM – I (CBCS - 2015 COURSE) :
SUMMER - 2019
Subject: Basics of Computer

Day: Tuesday
Date: 16/04/2019

S-2019-1371

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 SAME answer books.
5) Draw a labeled diagram WHEREVER necessary.

SECTION - 01

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

a) What is WWW?
b) Explain octal number system.
c) Explain classification criteria of computers.
d) Explain any one network topology.
e) Explain the term Middleware.
f) Explain the term "Programming Languages".

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

a) How to calculate compliment of number?
b) What is internet? What are the basic services of the internet?

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

a) Explain binary addition and subtraction with example.
b) Explain the use and limitations of different type of programming languages.

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

a) LAN and WAN
b) System software

SECTION - 02

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

a) What is need of program planning?
b) Explain multi tasking.
c) Explain the use of gets() and puts().
d) How to display formatted output in C?
e) Explain the term #include and #define.
f) Explain the syntax of functions in C.

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

a) What is an algorithm? Explain with example.
b) Write a program to convert decimal number to binary number.

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

a) Explain logical architecture of computer with respect to operating system.
b) Explain the syntax for switch case statements.

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

a) Pointers in C
b) Control structures in C

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