F.Y. B. SC. (COMPUTER SCIENCE) SEM – I (2014 COURSE) : WINTER - 2017

SUBJECT: PROGRAMMING IN C-I

Day: Friday
Date: 27/10/2017

W-2017-0729

Time: 12.00 NOON TO 02.00 PM
Max Marks: 40

N.B:

1) All questions are **COMPULSORY**.
2) Figures to the **RIGHT** indicate **FULL** marks.
3) Draw neat labeled diagram **WHEREVER** necessary.

Q.1 Answer any **TWO** of the following: **(10)**

a) What is a function? Explain standard library functions with their header files.

b) Write a program to accept two numbers and interchange them.

c) Explain different features, advantages and disadvantages of an Algorithm.

Q.2 Answer any **TWO** of the following: **(10)**

a) Write a 'C' program to find the sum of digits of a given number and reverse the given number.

b) Draw and explain flowchart symbols with a proper example.

c) Explain the process of creating, compiling and executing a 'C' program.

Q.3 Answer any **TWO** of the following: **(10)**

a) Write a 'C' program to calculate the maximum and minimum of given three numbers.

b) State different data types used in 'C'.

c) Describe development of 'C' language.

Q.4 Answer any **FIVE** of the following: **(10)**

a) Define Interpreter.

b) Give advantages of 'C' language.

c) List the reserved keywords of 'C' languages.

d) Differentiate between while and do-while loop.

e) Write 'C' program to check given number is even or odd.

f) Write syntax for switch statement.

g) What is assembler?

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