

S.D.E.

B.C.A. SEM – I (CBCS - 2018 Course) : WINTER - 2018

SUBJECT: C PROGRAMMING - I

Day: Friday
Date: 30/11/2018

Time: 02.00 PM TO 05.00 PM
Max Marks. 70

W-2018-4497

N.B.

- 1) Attempt any **FOUR** questions from Section – I and attempt any **TWO** from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION - I

- Q.1** Explain following input and output functions with suitable example (10)
i) printf() ii) scanf()
- Q.2** Which are iteration statements in C? Give an example of for loop. (10)
- Q.3** What is recursion? Write a recursive function in C to display factorial of given number. (10)
- Q.4** What is an array? Explain one dimensional array with an example. (10)
- Q.5** Define structure. Explain concept of nested structure with appropriate example. (10)
- Q.6** Write short notes on any **TWO** of the following (10)
- a) Precedence and associativity
 - b) Dynamic memory allocation
 - c) User defined and Built in functions
 - d) Relational operators in c

SECTION - II

- Q.7** Write a menu driven program in C to calculate square, cube and square root of give number. (15)
- Q.8** Write a C program to read and display information of all students in the class. Then edit details of a particular student and redisplay the entire information. (15)
- Q.9** What is pointer? Explain with example various arithmetic operations performed on pointer. (15)

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