

S.D.E.
M.C.A. SEM - I : WINTER - 2017
SUBJECT : PROCEDURE ORIENTED PROGRAMMING

Day : **Thursday**
Date : **14/12/2017**

Time : **10.00 A.M. TO 1.00 P.M.**
Max. Marks : **80**

W-2017-4414

N.B.:

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

SECTION – I

- Q.1** Explain types of control statements in C. [10]
- Q.2** Discuss built-in functions in C. [10]
- Q.3** Explain the types of operations possible on pointer variables. [10]
- Q.4** Discuss types of operators in C with example. [10]
- Q.5** Explain various storage classes in C. [10]
- Q.6** Explain with example the difference between call by value and call by reference. [10]
- Q.7** Write short notes on **ANY TWO** of the following: [10]
- a) Data types in C
 - b) Escape sequences in C
 - c) Array

SECTION – II

- Q.8** Write a program to accept a string and check whether it is palindrome. [15]
- Q.9** Write a program accept your data of birth in DDMMYYYY format and print your age in months. Also it will display whether your birth year is leap year. [15]
- Q.10** Write a program which will read a text file and print the following: [15]
- a) Number of words
 - b) Number of alphabets
 - c) Number of digits
 - d) Number of special character

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