

**S.D.E.**  
**M.C.A. SEM - I : SUMMER - 2018**  
**SUBJECT : PROCEDURE ORIENTED PROGRAMMING**

Day : **Friday**  
Date : **01/06/2018**

**S-2018-4605**

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

**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 Define and explain the control structures in C. [10]
- Q.2 What are the different types of operators in C? [10]
- Q.3 What is union? Explain it with suitable example. [10]
- Q.4 What is an array? Explain the types of array in C. [10]
- Q.5 What is a function? What do you understand by a recursive function? [10]
- Q.6 Explain any difference between do.. while and while loop. [10]
- Q.7 Write short notes on **ANY TWO** of the following: [10]
- a) Data types in C
  - b) Pointers
  - c) Memory allocation functions in C

**SECTION – II**

- Q.8 Write a C program to obtain following pattern: [15]
- ```
*
 * *
 * * *
 * * * *
```
- Q.9 Write a program in C to check whether a number is palindrome or not. [15]
- Q.10 Write a program in C to accept a string and find its ASCII value. [15]

\* \* \* \*