

**I.M.C.A. SEM-II (2014 COURSE) CBCS : SUMMER - 2018**

**SUBJECT : C PROGRAMMING - II**

Day : **Wednesday**

Date : **02/05/2018**

**S-2018-1754**

Time : **10.00 AM TO 01.00 PM**

Max. Marks : 100

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**N. B. :**

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

- Q. 1** What is recursion? Explain its need with example. (15)
- Q. 2** Illustrate how we can make use of structure to define user defined types. (15)
- Q. 3** List and explain dynamic memory management functions. (15)
- Q. 4** What do you know about formatted input/output; how to write and read such data from file. (15)
- Q. 5** Explain use of command line argument with example. (15)
- Q. 6** List any five functions in graphics and describe use of it. (15)
- Q. 7** Write short notes on **ANY THREE** of the following: (15)
- a) Union
  - b) Preprocessors
  - c) Bitwise operators
  - d) Limits.h

**SECTION - II**

- Q. 8** Write a structure to represent book and use to create database of book. (20)
- Q. 9** Write a program to copy content one file into another; when coping copy only those lines containing word "how". (20)
- Q.10** Write a C program to read n integers and print sum of all the numbers which are divisible by both 3 and 7. Make use of a function to check whether number is divisible by both 3 and 7. (20)

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