Code No. 7008

FACULTY OF SCIENCE
B.Sc. I-Semester (CBCS) Examination, November / December 2017

Subject : Computer Science

Paper – I : Programming in C

Time : 3 Hours

Max. Marks: 80

PART – A (5 x 4 = 20 Marks)
(Short Answer Type)
Note : Answer any FIVE of the following questions.

1   Explain the operations of CPU.
2   Give the classification of programming Languages.
3   Write about 'continue' statement with example.
4   Define string. Write the built in functions in 'String. h' header file.
5   Define pointer. What is the use of &, * in the pointer concpet.
6   What is Inline function? Explain with a program.
7   Briefly explain about union.
8   What is binary file in 'C'?

PART – B (4 x 15 = 60 Marks)
(Essay Answer Type)
Note: Attempt ALL the questions.

9   (a) Write in detail about structure of 'C' program.
    (b) Define Algorithm. Explain about step-form and pseudo-code.
                        OR
    (c) Explain about memory hierarchy.
    (d) Write in detail about :
        (i) C tokens   (ii) identifiers   (iii) Data types   (iv) Variables and constants

10 (a) Explain about control statements with syntax and examples.
                        OR
    (b) Explain about 2D arrays? Write a program to multiplication of two matrices.

11 (a) Give a short note on Dynamic memory allocation.
    (b) Explain about "passing Array to functions" with example.
                        OR
    (c) Explain about, 'Call by value' and 'Call by reference' with examples.

12 (a) Write in detail about files in 'C' language.

                        OR

    (b) Explain structure in 'C' language with example.

*****