

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 concept.
- 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.
