

Code No. 230

FACULTY OF SCIENCE
B.Sc. I-Semester (CBCS) Examination, December 2016

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 What is a computer? Explain the classification of computers.
- 2 Explain the different types of program statements in C.
- 3 Explain conditional operator in C with an example program.
- 4 What is an array? Explain with an example.
- 5 Write short notes on functions.
- 6 Write short notes on malloc and calloc functions.
- 7 Differentiate between structure and unions.
- 8 Explain Stream I/O model in files.

PART – B (4 x 15 = 60 Marks)
(Essay Answer Type)

Note: Attempt ALL the questions.

- 9 (a) Explain major hardware components of a computer in detail.
OR
(b) Explain types of operators in C with example programs.
- 10 (a) Explain for loop, while loop, do-while loop in C with an example program each.
OR
(b) Explain string functions in C with example programs.
- 11 (a) Explain storage classes in C with an example program each.
OR
(b) Explain declaration, initialization and accessing of pointers in C with an example program.
- 12 (a) Explain declaration, initialization and accessing of structure data type with syntax and example program.
OR
(b) Explain functions used to work with text files for reading and writing text.
