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AA—13—2019

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (CS) (First Year) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2019

(CBCS/New Course)

COMPUTER SCIENCE

(Part I)

(Introduction to Programming Language Using C)

(Monday, 14-10-2019)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :— (i) Assume suitable data, if necessary.

(ii) Figures to the right indicate full marks.

1. Attempt any *five* of the following : 15
 - (a) What is computer language ?
 - (b) How does high level language differ from assembly level language ?
 - (c) Explain flow chart in detail.
 - (d) Explain if statement.
 - (e) What is use of continue statement ?
 - (f) What is array ?
 - (g) Explain goto statement.
2. Attempt any *three* of the following : 15
 - (a) Explain %d and %f format specifiers.
 - (b) Write a program to calculate division of two numbers.
 - (c) Explain applications of C language.
 - (d) Write a program to carry out largest among three numbers.

P.T.O.

3. Attempt any *three* of the following : 15
- (a) Explain concept of formatted I/O.
 - (b) Write a program to calculate factorial of a number.
 - (c) Explain Nested for loop.
 - (d) Write a program in C to describe nested if statement.
4. Attempt any *three* of the following : 15
- (a) What is use of array in C ?
 - (b) Write a program in C to search an element in array.
 - (c) Write a program to display first 35 odd values starting from 1.
 - (d) Explain concept of passing array as function.
5. Write short notes on (any *three*) : 15
- (a) Keywords
 - (b) Operators in C
 - (c) \n and \t characters
 - (d) Printf and scanf statement
 - (e) Data types.