

B.Sc. Semester I (Honours) Examination, 2018-19

COMPUTER SCIENCE

Course ID : 11511

Course Code : SHCSC-101C-1(T)

Course Title : Programming Fundamentals With C/C++

Time: 1 Hour 15 Minutes

Full Marks: 25

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions from the following: 1×5=5
 - (a) Why “C” is a middle-level language?
 - (b) Why “C” is a free-form language?
 - (c) Give an example of ternary operator in C.
 - (d) What is pointer?
 - (e) Distinguish between character and string.
 - (f) What is object?
 - (g) What do you mean by inheritance?
 - (h) What do you mean by polymorphism?

 2. Answer *any two* questions from the following: 5×2=10
 - (a) Describe some operations valid in pointer arithmetic.
 - (b) Distinguish between function-oriented and object oriented programming.
 - (c) Discuss different types of structures available in C.
 - (d) Write a C-program to reverse a string using pointers.

 3. Answer *any one* question from the following: 10×1=10
 - (a) Write a C-program to compute GCP of two numbers. Modify the program for LCM calculation.
 - (b) Write a C++ program to overload binary minus (“-”) operator to subtract two 3D vectors.”
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