

SHIVAJI COLLEGE, UNIVERSITY OF DELHI
DEPARTMENT OF COMPUTER SCIENCE
INTERNAL ASSIGNMENT
(Academic Year 2023-24)

Name of the Course : B.Sc Physical Science (CS)

Semester : 1st

Name of the Paper : Programming Fundamentals Using C++

Maximum Marks : 12

Faculty Name: Yogesh Kumari

Last Date of Submission : 8th December, 2023

Q1. What is polymorphism? Explain with an example. Differentiate between run time and compile time polymorphism.

Q2. What is inline functions? Under what conditions inline function doesn't work

Q3. What is constructor? Explain different type of constructor.

Q4. Can constructor be overloaded? List out the characteristics of constructor.

Q5. Write a program in C++ for the following

1. Create a function to print sum of the digits of a number. The function must accept number as an argument.
2. To print the sum of the digits of a number

Q6. Differentiate between call by value and call by reference with example.

Q7. Write a program in C++ to create an integer array of 10 numbers. The values in array must be taken from the user. Print the sum and average of elements of the array.



(YOGESH KUMARI)