

UCCC & SPBCBA & SDHG COLLEGE OF BCA & I.T

CLASS: S.Y.B.C.A. (SEM – III)

Academic Year: 2026-27

Subject: (304) Object Oriented Programming and Data Structures
Home Assignment

Assignment – 1

1. What is constructor? Explain types of constructors and Advantage and Disadvantage of constructor.
2. What is stack? Write algorithms of various stack operations.
3. Explain virtual function in detail with example.

Assignment - 2

1. List out features of object oriented programming. Explain polymorphism and encapsulation with an example.
2. What is inheritance? Explain types of inheritance with its syntax and example.
3. Define queue. Explain types of queues in detail.

Instructions:

- Assignment must be **self-handwritten** with blue ink ball pen only
- Assignment must be **uploaded through the Udhna College Application.**
- The **assignment submission date will be announced soon.**



A handwritten signature in blue ink, appearing to be "D. K. Singh" or similar, with a long horizontal stroke extending to the right.