



J.C. Bose University of Science and Technology, YMCA

Faridabad, Haryana

SESSIONAL -2 Nov'25

B.Tech CE51,52, IT5

62

Subject Code: PCC-CS-503

Time: 1.5 Hours

Subject: Object Oriented

Programming

Maximum Marks: 30

Q1. a) Explain the concepts of decon.position and abstraction in software design. Discuss different kinds of abstractions. (5) (CO1)

b) Describe the concepts of Subtyping and Wildcards in Generics. Give suitable examples. (5) (CO4)

Q2. What are Design Patterns? Explain the classification of design patterns. (10) (CO3)

Q3. a) Explain the List and Queue Interfaces in Java Collections Framework. (5) (CO4)

b) Differentiate between AWT and Swings. (5) (CO4)