

SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar
B.C.A. Semester – V
US05CBCA25 : Object Oriented Programming –III
(Syllabus Effective from June 2020)

Credits : 4

External : 70 Marks

Contact Hrs per Week : 4

University Examination Duration: 3 Hrs

All units carry equal weightage

Unit	Description in detail
I	JDBC & Collection Frame work Basic JDBC program Concept Architecture of JDBC Making the Connection, Statement & its types Executing queries List Interface (Array List, Vector List, Iterator) Wrapper Class (Integer, Float and Double) and Methods
II	Servlet Introduction Types of servlet Life cycle of servlet Execution process of Servlet Application Session Tracking Cookie Management
III	JSP Introduction to JSP and Lifecycle Components of JSP Directives , Tags, Scripting Elements Execution process of JSP Application Building a simple application using JSP
IV	Multithreading Introduction Thread Life Cycle Creating Thread Thread Methods Thread Synchronization

Basic Text & Reference Books :-

1. The Complete Reference – JAVA Herbert Schildt
2. Core java –II By Cay S. Horstmann and Gary Cornell
3. Compete Reference J2EE – Jim Keogh
4. Programming with Java- A Primer by E. Balaguruswami, 3rd Edition, TMH Publication