SARDAR VALLABHBHAI PATEL INSTITUTE OF TECHNOLOGY, VASAD
INFORMATION TECHNOLOGY
ACADEMIC YEAR 2018-2019(EVEN)
SEMESTER VI
ADVANCED JAVA (2160707)
MID SEMESTER EXAM SYLLABUS

UNIT-1
Java Networking
Network Basics and Socket overview, TCP/IP client sockets, URL, TCP/IP server sockets, Datagrams, java.net package Socket, ServerSocket, InetAddress, URL, URLConnection

UNIT-2
JDBC Programming
The JDBC Connectivity Model, Database Programming: Connecting to the Database, Creating a SQL Query, Getting the Results, Updating Database Data, Error Checking and the SQLException Class, The SQLWarning Class, The Statement Interface, PreparedStatement, CallableStatement The ResultSet Interface, Updatable Result Sets, JDBC Types, Executing SQL Queries, ResultSetMetaData, Executing SQL Updates, Transaction Management.

UNIT-3
Servlet
Servlet Model: Overview of Servlet, Servlet Life Cycle, HTTP Methods Structure and Deployment descriptor ServletContext and ServletConfig interface, Attributes in Servlet, Request Dispacher interface
The Filter API: Filter, FilterChain, Filter Config
Cookies and Session Management: Understanding state and session, Understanding Session Timeout and Session Tracking, URL Rewriting

UNIT-4
Java Server Pages
JSP Overview: The Problem with Servlets, Life Cycle of JSP Page, JSP Processing, JSP Scripting Elements and JSP Implicit Objects.

Course Coordinator,   **I/C HOD IT,**
Hitesh Makwana   **Prof. N.V.Shah**