

H. N. G. University , Patan
M.C.A(5 Years Integrated Programme) – Semester - V
503: Advance Java Technology [J2EE]

Unit: 1	[15%]
Introduction to J2EE Platform and Architecture The J2EE Platform, The J2EE Architecture Containers, J2EE Technologies Developing J2EE Applications, Introducing Java Mail and JMS	
Unit: 2	[10%]
Database Programming ODBC and JDBC Drivers, Connecting to Database with the java.sql Package, Using JDBC	
Unit: 3	[25%]
Servlets Introduction to Servlets and architecture , Servlet Life Cycle, Servlet based Applications, type of servlet, Servlet and HTML,Session management JSP Introduction to JSP, JSP implicit objects, JSP based Applications, Session Management	
Unit: 4	[20%]
Remote Method Invocation (RMI) The RMI Architecture, RMI Exceptions, Developing Applications With RMI, Parameter Passing in RMI XML XML syntax and semantics, Document Type Definitions (DTDs), XML based applications	
Unit: 5	[25%]
Java Beans An overview of Java Beans, Requirement, Development and Scope of Java Beans, Design consideration and Naming conventions of Java Beans and Guideline. Enterprise Java Beans (EJB) Introduction to EJB, Entity Beans, Session Beans	
Unit: 6	[05%]
Struts What is Struts?, Development Models, Model-view-controller architecture, Struts flow with an example application	

Text Books :-

1. Professional Java Server Programming by Subrahmanyam Allamaraju

Reference Book :-

1. J2EE Bible by Justin Couch and Deniel H. Steinberg
2. Professional Java Server Programming Volume I and II, Wrox Publication.
3. J2EE Unleashed by Joseph J. Bambara, BPB publications
4. Enterprise JAVA J2EE 1.3 complete, BPB publications
5. The complete Reference Struts (seventh edition).