

MCA (Revised)

Term-End Examination

December, 2007

MCS-051 : ADVANCED INTERNET TECHNOLOGIES

Tir	ne : 3	hou	urs Maximum Marks : 100			
Note :			Question number 1 is compulsory . Attempt any three questions from the rest.			
1.	(a)	W	hat is Java Servlet ? Explain its life cycle. 6			
	(b)		iefly describe the JDBC drivers available to nnect a Java application with database.			
	(c)	sej	ow are business logic and presentation layer parated using server pages? Explain the ationship between Applet, Servlet and JSP. 10			
	(d)	4	nat is the difference between Stateless session an and Stateful session bean?			
		(e)	What do you mean by XML parsing ? Briefly describe the parsers involved with XML.			
		(f)	What is HTTPS Authentication? 5			
		(g)	Compare and contrast SSL and TLS. 4			



2.	(a)	Why do we need Inter-Servlet communication ? Write the steps involved in Inter-Servlet communication.	10
	(b)	Explain the working of EJB with a suitable diagram. Describe 5 benefits of EJB architecture to an application developer.	10
3.	(a)	What is the difference between XML and SGML? Explain the structure of an XML document.	10
	(b)	With the help of a sample code, describe the use of SSL Authentication in Java clients.	10
4.	(a)	How do you use JDBC to modify a database ? Explain with example.	10
	(b)	What is the use of message driven bean? Explain its life cycle.	10
5 .	(a)	Explain the process of installing and running application server for EJB.	10
	(b)	What is JNDI Authentication? Explain with suitable example.	10