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MASTER OF COMPUTER APPLICATIONS [MCA (REVISED)]

Term-End Examination

June, 2023

MCS-051 : ADVANCED INTERNET TECHNOLOGIES

Time: 3 Hours Maximum Marks: 100

Note: Questions number 1 is compulsory.

Attempt three questions from the rest.

- 1. (a) What is a Servlet? Explain Inter-Servlet

 Communication with the help of an example.
 - (b) Create a database of books in a library.

 Write a program using JSP and JDBC to
 display details of the book(s), including
 title, author-name, ISBN, and price.

		four services offered by EJB.	7
	(d)	What is XML ? Write basic difference between XML and SGML.	s
	(e)	Give advantages and disadvantages of	
2.	(a)	What are JSP implicit objects? Explain use of any <i>three</i> implicit objects of JSP.	n 3
	(b)	Explain use of jsp: include action with the help of an example.	e 5
	(c)		n 7
3.	(a)	<u> </u>	у 5
	(b)	What is SSL? Describe the two-way SSI authentication in brief.	L 5
	(c)	Explain the relation of applets and servlet to JSP.	

(c) Briefly describe goals of EJB. Explain any

- 4. (a) What is DTD ? Explain how DTD is created with the help of an example.
 - (b) What is JDBC? Explain use of ResultSet and executeQuery in JDBC programming with the help of an example program. 10
- 5. (a) Explain the following elements of JSP, with the help of example program: 6
 - (i) Scriptlets
 - (ii) Expressions
 - (b) What is JNDI authentication? Explain with the help of a suitable example. 8
 - (c) Explain the session tracking in servlet is performed using cookies, with the help of an example.