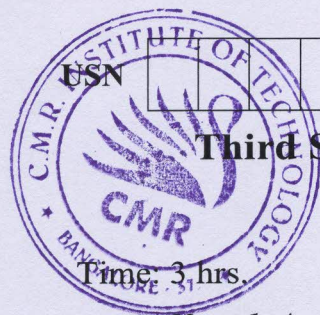


CBCS SCHEME



22MCA341

Third Semester MCA Degree Examination, June/July 2024 Advanced Java and J2EE

Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

Module – 1				M	L	C
Q.1	a.	Define enumeration data type. Explain with simple example with output.		10	L2	CO1
	b.	Explain the concept of auto-boxing and un-boxing with examples in detail.		10	L2	CO1
OR						
Q.2	a.	What is enumeration? Explain Value() and ValueOf() methods with an examples.		10	L2	CO1
	b.	What are annotations? Explain the four annotations with examples.		10	L2	CO1
Module – 2						
Q.3	a.	List and explain the different types of methods defined in collection interfaces.		10	L2	CO1
	b.	Demonstrate with simple examples, the constructor and methods in Array List Class.		10	L2	CO1
OR						
Q.4	a.	List and explain the different types of class is in collection classes.		10	L2	CO1
	b.	Explain : (i) Iterator (ii) List Iterator		10	L2	CO1
Module – 3						
Q.5	a.	Define and explain with constructor's (i) String (ii) String Buffers		10	L2	CO2
	b.	Explain the string comparison with examples (i) equals() (ii) ==		10	L3	CO2
OR						
Q.6	a.	Explain the following methods with examples: (i) toString() (ii) charAt() (iii) getChars()		10	L2	CO2
	b.	Explain string comparison functions with examples: (i) regionMatches() (ii) startWith() and endsWith()		10	L3	CO2
Module – 4						
Q.7	a.	Define Servlet. Explain Servlet Life Cycle.		10	L2	CO3
	b.	List out the difference between GET and POST Request.		05	L2	CO3
	c.	Explain advantages of JSP over Servlet.		05	L2	CO3
OR						
Q.8	a.	With an example, explain the various tags available in JSP.		10	L2	CO3
	b.	Explain with example JSP directives.		10	L2	CO3
Module – 5						
Q.9	a.	Explain the steps in JDBC process.		10	L2	CO3
	b.	Explain scrollable and non-scrollable Resultset.		10	L2	CO3
OR						
Q.10	a.	Explain four JDBC Driver types.		10	L2	CO3
	b.	List the different steps involved in associating the JDBC/ODBC bridge with the data base.		10	L2	CO3

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