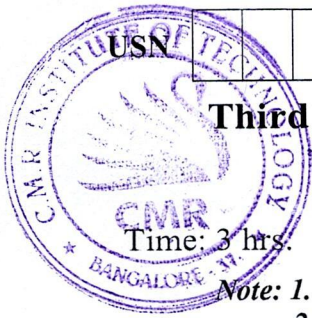


CBCS SCHEME

MMCB311F



Third Semester MCA Degree Examination, Dec.2025/Jan.2026 Web Programming using Java

Time: 3 hrs.

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.	Explain HTTP request headers.	10	L1	CO1
	b.	Describe DOM structure in Javascript.	10	L2	CO1
OR					
Q.2	a.	Explain the architecture of web applications?	10	L1	CO1
	b.	Develop an HTML program illustrating the use of different CSS selectors.	10	L2	CO1
Module – 2					
Q.3	a.	Describe the lifecycle methods of a Servlet with syntax.	10	L2	CO2
	b.	What is a Cookie? Explain the creation of Cookie and retrieving information from Cookie with code snippets.	10	L2	CO2
OR					
Q.4	a.	Differentiate the ways of redirecting requests using sendRedirect() and forward()	10	L2	CO2
	b.	Write a Servlet program to read data from a HTML form (branch data from radio buttons and subjects data using checkbox) and display.	10	L3	CO2
Module – 3					
Q.5	a.	What are different types of tags in JSP demonstrate with an example.	10	L2	CO3
	b.	What is JSP? Explain the advantages of JSP over Servlet.	10	L2	CO3
OR					
Q.6	a.	What are the different implicit objects in JSP? Explain with an example.	10	L2	CO3
	b.	Write a jsp program to demonstrate the attributes of page directive.	10	L3	CO3
Module – 4					
Q.7	a.	List and explain different JDBC Driver types along with its advantages and disadvantages?	10	L2	CO4
	b.	Illustrate the steps involved in connecting a java program to a database with code snippets.	10	L2	CO4
OR					
Q.8	a.	Discuss how the methods of the Statement interface are used in JDBC, with an appropriate example.	10	L2	CO4
	b.	Create a Java JDBC program that demonstrates CRUD operations on a Book database table containing book_id, book_name, and book_author.	10	L3	CO4
Module – 5					
Q.9	a.	Describe the architecture of MVC?	10	L2	CO5
	b.	Explain the concept of View in the MVC architecture. Discuss its roles, responsibilities, and need in web applications.	10	L2	CO5
OR					
Q.10	a.	Explain the request-response flow handled by a Controller in Spring MVC.	10	L2	CO5
	b.	Discuss the role of model in MVC application	10	L2	CO5

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