PRN:		Course Code :	MCA208

Second Year **MCA** End Semester Examination Summer 2023

Advanced Web Technology

Day and Date: Saturday, 17/06/2023 Max Marks: **100**

Time : 2.00 to 5.00 PM Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Demonstrate Links in HTML5 and also explain its attributes with example	08	L3	CO1
	b)	Describe 2D Transform Effect in CSS3	08	L1	CO1
		OR			
	b)	Illustrate @Rules in CSS3 with example	08	L3	CO1
Q.2		**Attempt the following**			
	a)	Explain Servlet Life Cycle also explain methods used in the life cycle	08	L2	CO2
	b)	Describe Servlet Configuration in detail with example	08	L1	CO2
		OR			
	b)	Elaborate Session Tracking in Servlet	08	L2	CO2
Q.3		**Attempt any two from the following**			
	a)	Compare JSP with other Technologies	08	L4	CO2
	b)	Explain JSP Expressions with example	08	L2	CO2
	c)	Describe usage of Predefined Variables in JSP	08	L1	CO2
Q.4		**Attempt any two from the following**			
	a)	Discuss Traits in PHP? Explain in detail with example	08	L2	CO3
	b)	Explain Iterables in PHP and how to implement iterable interface as an iterator	08	L5	CO3
	c)	Elaborate Interfaces in PHP also compare between Abstract classes and Interface	08	L2	CO3
Q.5		**Attempt any Two of the following**			
	a)	Illustrate Node.js? Explain its Features and Applications	09	L4	CO4
	b)	Describe and demonstrate REPL in Node.js	09	L3	CO4
	c)	Elaborate Modules in Node.js? Demonstrate working of Modules	09	L3	CO4
Q.6		**Attempt any Two of the following**			
	a)	What is Angular? Explain its features in detail	09	L1	CO4
	b)	Summarize Dependency Injection in Angular	09	L5	CO4
	c)	Elaborate Routing in Angular. How to implement Basic Routing in Angular	09	L3	CO4

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