000705

PRN:	

Course Code :	BCA 304

Third Year **B.C.A** End Semester Examination Winter 2024

Advanced Web Development

Day and Date: Thu 21 NOV 2024

Time : 02:00PM To 05:00PM

Max Marks: **100**

Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Explain the Methods of Calling Web Service?	08	L1	CO1
	b)	Define the advantages and disadvantages of Simple Object Access Protocol as a communication protocol in web services?	08	L1	CO1
		OR			
	b)	Explain the various methods of calling web services?	08	L2	CO1
Q.2		**Attempt the following**			
	a)	Demonstrate maintaining State in web development?	08	L3	CO2
	b)	Describe the concept of web services. How do they facilitate interoperability between different systems?	08	L2	CO2
		OR			
	b)	Why HTTP is called stateless protocol? Explain two different ways to manage a web Application's state: client-side and server-side?	08	L2	CO2
Q.3		**Attempt any two from the following**			
	a)	Describe the Features of HTML5?	08	L3	CO2
	b)	Explain the concept of CSS gradients, including linear gradients and radial gradients with example?	08	L3	CO3
	c)	Explain how the canvas element works and provide example of its usage, including drawing shapes and paths using JavaScript?	08	L3	CO2
Q.4		**Attempt any two from the following**			
	a)	Illustrate XML-RPC with example?	08	L4	CO3
	b)	Discuss the advantages of XML in data sharing and transport?	08	L4	CO4
	c)	Differentiate between HTML and XML?	08	L4	CO3
Q.5		**Attempt any Two of the following**			
	a)	Explain the core principles of Object-Oriented Programming (OOP) in PHP, Provide examples to illustrate each principle?	09	L3	CO3
	b)	Discuss the significance of constructors and destructors in PHP classes. Explain the purpose of constructors in initializing objects and how they differ from regular methods.	09	L2	CO4
	c)	Explain the concept of encapsulation in PHP and Provide example?	09	L3	CO4
Q.6		**Attempt any Two of the following**			
	a)	What is AJAX and what are its applications?	09	L1	CO4
	b)	Explain the concept of AJAX and its significance in web development?	09	L2	CO4
	c)	Demonstrate how a web page can fetch information from a database using PHP and AJAX?	09	L3	CO4

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