USN ☐☐☐☐☐☐☐☐☐☐   **16CS551**

Fifth Semester B.E. Makeup Examination, January 2020
ADVANCED WEB PROGRAMMING

Time: 3 Hours   Max. Marks: 100

Instructions: 1.   *Answer one full question from each unit.*
               2.   *Draw the diagrams wherever necessary.*

UNIT - I

			L	CO	PO	M
1	a.	Compare classic Web Application model with Ajax web application model	(02)	(01)	(01)	(05)
	b.	Write the code to retrieve customer information by receiving customer ID as input with the help of Ajax using XHR GET method.	(03)	(02)	(03)	(10)
	c.	Explain the Ajax Fallback patterns	(02)	(01)	(01)	(05)

OR

			L	CO	PO	M
2	a.	Consider a system where a user registers himself/herself with an html form having minimal information. There is another user called administrator who verifies the registration data of the users and approves their registration. The notification related to registration is received by the user within 24 hours. The login to the system is possible only when the registration is successful. Mention the design pattern that must be used to develop the system and write the code for the same.	(05)	(02)	(03)	(10)
	b.	Explain how do you handle multiple browser implementations in Ajax with example.	(02)	(01)	(01)	(05)
	c.	Write a note on cache control	(02)	(01)	(01)	(05)

UNIT – II

			L	CO	PO	M
3	a.	Write a short note on Supporting cast for MEAN stack application development.	(03)	(01)	(01)	(05)
	b.	Explain the need for the planning of MEAN stack application. Also describe the screens required for the Loc8r Application	(02)	(01)	(01)	(05)
	c.	What is the difference between development hardware and production hardware? Recommend suitable hardware architecture for the following cases. i) An application with low amount of traffic ii) For platform as a service iii) Growing traffic iv) Overloading traffic or thousands of requests per second	(05)	(01)	(03)	(10)

OR

			L	CO	PO	M
4	a.	Recommend suitable MEAN stack architecture for blog application. The blog application has two interfaces one for blog entries and another for admin interface. While designing architecture consider conflicting architecture requirements of both the interfaces i.e., blog entries and admin interfaces.	(05)	(01)	(03)	(10)
	b.	Describe the steps in designing the Loc8r application with appropriate diagrams				