K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai-22

(Autonomous College Affiliated to University of Mumbai)

End Semester Exam

Nov – Dec 2021

(B.Tech) Program: Computer Engineering

Examination: TY   Semester: V

Course Code: 1UCEDLC5052 and Course Name: : Internet Programming

Duration: 03 Hours   Max. Marks: 60

Instructions:

(1) All questions are compulsory.

(2) Draw neat diagrams wherever applicable.

(3) Assume suitable data, if necessary.

		Max. Marks	CO	BT level
Q 1	**Solve any six questions out of eight:**	12		
i)	Describe HTTP Response Message with an example.	2	CO1	U
ii)	Describe CSS box model.	2	CO1	U
iii)	Create an array named week in JavaScript. Consider array elements as days of week and display all array elements in a webpage.	2	CO2	Ap
iv)	What are the selectors in jQuery? Describe any two types of selectors in jQuery with an example?	2	CO4	U

v)	Differentiate between HTML and XML.	2	CO5	U
vi)	Describe any two built in functions in PHP with example.	2	CO5	U
vii)	Design basic HTML Login form by embedding JSP code.	2	CO3	Ap
viii)	Explain why React JS is popular in web development?	2	CO6	U
Q.2	**Solve any four questions out of six.**	16		
i)	Musician wants to launch the website. Following are the requirements: 1.Home page should contain Header sections: Logo,title of website,login,signup page link 2.Main content: Description about himself 3.footer:copyright,date. Design home page for the same using HTML5.	4	CO1	Ap
ii)	Describe the following events with example 1.Click Event 2.Focus Event 3.Load event 4.Mousehover Event	4	CO2	U
iii)	Differentiate between Servlet and Java Server Pages	4	CO3	U

iv)	Describe how to perform jQuery AJAX request with example.	4		CO4	U
v)	Design calculator using PHP. Design UI with two input text fields to enter two numbers, four buttons with caption as +,-,*,/ and a third text field to display results. Accept two numbers from two input text fields and perform particular arithmetic operation on button click and display result in third text field.	4		CO5	Ap
VI)	Explain the following terms with respect to React JS 1.State 2.Props	4		CO6	R
Q.3	**Solve any two questions out of three.**	16			
i)	You have been assigned a task to design a website where sellers can add their electronics products to sell on an ecommerce platform. Consider the product details as Name, description, price, manufacturing date, expiry date, Is stock available , minimum qty, maximum quantity, product image. Design a screen to add the product using HTML5. Apply styling to the form with Bootstrap and perform form validation using JavaScript.	8		CO1	Ap
ii)	What is Session Handling? Explain the different ways of session handling with examples.	8		CO3	U
iii)	The Library Management system supports various functionalities like Add book, Delete book ,Update book details. Design an add book form using HTML5. Consider the fields as Book id, Name, Author, Publisher, Qty, Price and insert the data in the	8		CO5	C

	database table Book_Details using PHP and Mysql. Assume that Database LibraryManagement is already created and table Book_Details is already added in the database.			
Q.4	**Solve any two questions out of three.**	16		

i)	Explain the concept of JSON. Describe following with example.
	
	    a) JSON array of objects
	
	    b) JSON.stringify()
	
	    c) JSON.parse()
		8	CO2	U

ii)	What is React JS? Describe components of React JS?	8	CO6	U
iii)	Consider the Employee information as Employee ID, Name, department, year of experience. Design a web application in which JSON response is returned from AJAX using jQuery and PHP . Display the retrieved employee details in tabular format in a webpage.(Assume that Employee database and Employee details table is already created and 5 records are added)	8	CO4	C