KUMARAGURU
college of technology
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B.E DEGREE EXAMINATIONS: APRIL/MAY 2024

(Regulation 2018)

Sixth Semester

COMPUTER SCIENCE AND ENGINEERING

U18CSI6201: Internet and Web Programming

COURSE OUTCOMES

CO1: Design a website using HTML.
CO2: Apply Cascading Style Sheet to design a HTML Webpage.
CO3: Develop a HTML form and validate it using Java Script.
CO4: Develop web application using JSP, Servlet.
CO5: Develop an XML document and validate it using Schema.

Time: Three Hours   **Maximum Marks: 100**

Answer all the Questions:-
PART A (10 x 2 = 20 Marks)
(Answer not more than 40 words)

1.	List the different levels of heading in HTML.	CO1	[K$_1$]
2.	Compare XHTML and HTML.	CO1	[K$_2$]
3.	Define instance of operator in javascript.	CO2	[K$_1$]
4.	Name any four date related functions in JavaScript.	CO2	[K$_1$]
5.	Show how to declare and initialize 2-dimensional array in Java.	CO3	[K$_1$]
6.	Compare GET and POST request methods.	CO3	[K$_2$]
7.	List the advantages of JSP over Servlets.	CO4	[K$_1$]
8.	List the functions of servlet.	CO4	[K$_1$]
9.	Define XML.	CO5	[K$_1$]
10.	What is XML parser? Name any two XML parsers.	CO5	[K$_1$]

Answer any FIVE Questions: -
PART B (5 x 16 = 80 Marks)
(Answer not more than 400 words)

11.	a)	Construct, test and validate an XHTML document that has two frames in one column. The top frame must be 20 percent of the column and have atleast four link to other documents; the bottom frame will display those documents. The links must be the names of cars; the document must be atleast five-line descriptions of the cars.	8	CO1	[K$_3$]
	b)	Explain the different types of cascading style sheet representations with example program.	8	CO2	[K$_2$]

12.	a)	Explain different types of arrays in JavaScript each with an example	8	CO3	[K2]
	b)	Develop a web site for online course registration for a technological university and validate the web page using Java Script.	8	CO3	[K3]
13.	a)	Construct a javascript code which checks the contents entered in a form text element and if the text entered is in the lower cases convert to upper case.	8	CO3	[K3]
	b)	Develop the servlet code to perform arithmetic operations	8	CO4	[K3]
14.	a)	Describe the life cycle of a servlet with suitable example.	8	CO4	[K2]
	b)	Develop an HTML document to generate ballot form for an election. The votes submitted are recorded on the server by a servlet handling the form. Cookies must be used to prevent multiple votes by the same client	8	CO4	[K3]
15.	a)	Explain JSP session tracking approaches in detail.	10	CO4	[K2]
	b)	Compare between <jsp: include> and <@include…> with example.	6	CO4	[K2]
16.	a)	Explain in detail about XML namespace.	8	CO5	[K2]
	b)	Discuss about structuring of XML document using schema and DTD with suitable example.	8	CO5	[K2]

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