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P.E.S. College of Engineering, Mandya - 571 401
(An Autonomous Institution affiliated to VTU, Belagavi)
First Semester, Master of Computer Applications (MCA)
Semester End Examination; June - 2022
Web Technologies

Time: 3 hrs   *Max. Marks: 100*

Course Outcomes
The Students will be able to:
CO1: Explain the fundamental of web and solve problems using XHTML tags.
CO2: Develop presentation web page using CSS tags.
CO3: Implement static and dynamic JavaScript document.
CO4: illustrate web applications using PHP scripts.
CO5: Develop web applications using XML and AngularJS.

<u>*Note:*</u> *I) Answer any **FIVE** full questions, selecting **ONE** full question from each unit.*
  *II) Any **THREE** units will have internal choice and remaining **TWO** unit questions are compulsory.*
  III) Each unit carries 20 marks.

Q. No.	Questions	Marks	BLs	COs	POs
	UNIT - I				
1 a.	Explain the request phase and the response phase of the Hypertext Transfer Protocol (HTTP).	10	L2	CO1	PO1
b.	Explain with syntax and an example to each of the following tags: i) *‹hr/›* ii) *‹sub›* iii) *‹sup›* iv) *‹pre›* v) *‹img/›*	10	L2	CO1	PO2
	OR				
1 c.	Write different types of list. Explain each with an example.	10	L1,2	CO1	PO1
d.	Explain and develop XHTML document to, illustrate radio buttons and menus.	10	L2,3	CO1	PO3
	UNIT - II				
2 a.	Explain different selector forms with an example.	10	L2	CO2	PO1
b.	Develop an XHTML with CSS script code to illustrate list properties.	10	L3	CO2	PO3
	OR				
2 c.	Write different ways of creating an array in JavaScript and explain any four array methods with an example	10	L2,3	CO2	PO2
d.	List different string methods in JavaScript and develop JavaScript code to find factorial of a number.	10	L1,3	CO2	PO3
	UNIT - III				
3 a.	List any five events with their tags and explain event handling from body element with an example.	10	L1,2	CO3	PO2
b.	Develop JavaScript with XHTML document to illustrate event handling from button element and textbox element.	10	L3	CO3	PO2
	OR				

3 c.	Explain different positioning elements in JavaScript with example program.	10	L2	CO3 PO3
d.	What is DOM? Illustrate DOM structure for simple document.	10	L3	CO3 PO3

UNIT - IV

4 a.	Explain form handling in PHP with an example.	10	L2	CO4 PO5
b.	List and explain different sorting functions related to array in PHP.	10	L1,2	CO4 PO2

UNIT - V

5 a.	Define Document Type Definitions (DTD) and explain the meaning of the modifiers (+, *, ?) that can be used in element declarations.	5	L2	CO5 PO2
b.	Explain declaring entities in XML document.	5	L2	CO5 PO2
c.	What are the advantages of AngularJS.	5	L1	CO5 PO2
d.	Explain MVC architecture of AngularJS.	5	L2	CO5 PO2

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