



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; April / July - 2021

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.

Note: 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 operations and characteristics of web servers. How fully qualified domain names are translated into IP?	10	L2	CO1	PO1
b.	Outline on different phases of HTTP.	10	L2	CO1	PO1
OR					
1 d.	Construct an XHTML program to create table heading as 1 st semester MCA marks card, which consist of five subject names as column's and five student name as rows fill the data cells with some values.	10	L3	CO1	PO1
e.	Develop an XHTML program to describe the window described by its frameset, which consist of six frames in which three column frames and three row frames.	10	L3	CO1	PO1
UNIT - II					
2 a.	Illustrate box model with an example program.	10	L2	CO2	PO1
b.	Explain various selector forms used in CSS.	10	L2	CO2	PO2
OR					
2 d.	Outline different primitive types and screen output types used in Java script.	12	L2	CO2	PO1
e.	Explain different array methods used in array object creation.	8	L2	CO2	PO2
UNIT - III					
3 a.	What is DOM? Illustrate DOM structure for a simple document.	10	L2	CO3	PO1
b.	Explain different positioning elements in Java script with an example each.	10	L2	CO3	PO1

UNIT - IV

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|------|---|----|----|-----|-----|
| 4 a. | Explain the uses of PHP and their scalar types. | 10 | L2 | CO4 | PO1 |
| b. | Explain commonly used predefined functions and string functions in PHP. | 10 | L3 | CO4 | PO2 |

UNIT - V

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|------|---|----|----|-----|-----|
| 5 a. | What is DTD? Explain how elements attributes and entities are declared? | 10 | L2 | CO5 | PO1 |
| b. | Explain in detail XML schemas. | 10 | L2 | CO5 | PO1 |

OR

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|------|---|----|----|-----|-----|
| 5 d. | Summarize the general features and core features of Angular JS. | 12 | L2 | CO5 | PO1 |
| e. | Explain MVC architecture for web application development. | 8 | L2 | CO5 | PO2 |

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