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P.E.S. College of Engineering, Mandya - 571 401
(An Autonomous Institution affiliated to VTU, Belagavi)
Sixth Semester, B.E. - Information Science and Engineering
Semester End Examination; July / Aug. - 2022
Web Technologies

Time: 3 hrs   *Max. Marks: 100*

Course Outcomes

The Students will be able to:
CO1: Develop web pages using various XHTML tags.
CO2: Design interactive web pages using java script.
CO3: Create dynamic documents using DOM object model.
CO4: Develop web pages using PHP scripts.
CO5: Implement a simple Rails application using Ajax.

<u>*Note:*</u> *I) PART - A is compulsory. **Two** marks for each question.*
  *II) PART - B: Answer any <u>**Two**</u> sub questions (from a, b, c) for a Maximum of **18 marks** from each unit.*

Q. No.	Questions	Marks	BLs	COs	POs
	I : PART - A	**10**			
I a.	Define the term Internet and WWW.	2	L1	CO1	PO1
b.	What are the three Levels of Style sheets?	2	L1	CO2	PO1
c.	Write the corresponding tag attributes for the following event: i) onblur ii) onchange	2	L1	CO3	PO1
d.	What are the possible keywords used in declaration of DTD.	2	L1	CO4	PO2
e.	Draw Ajax browser/Server interaction architecture.	2	L3	CO5	PO2
	II : PART - B	**90**			
	UNIT - I	**18**			
1 a.	Explain general characteristics of web server.	9	L2	CO1	PO1
b.	Explain the request phase and Response of HTTP.	9	L2	CO1	PO1
c.	Discuss how the following function can be implemented; i) Line break ii) Preserving whitespace iii) Inserting image	9	L2	CO1	PO1
	UNIT - II	**18**			
2 a.	Explain any three selector forms used in CSS.	9	L2	CO2	PO1
b.	Explain different font properties available in (CSS) cascading style sheets	9	L3	CO2	PO1
c.	Develop JavaScript code for showing the functionality of switch statement for Table border.	9	L3	CO2	PO2
	UNIT - III	**18**			
3 a.	Develop XHTML document for event handling using onload attribute.	9	L3	CO3	PO2
b.	Discuss how blur, focus and change events can be created by textbox and keywords.	9	L2	CO3	PO1
c.	Explain in detail different position properties in positioning of elements.	9	L2	CO3	PO1

	UNIT - IV	**18**		
4 a.	Explain how attributes can be declared and also possible default values for attributes in XML.	9	L2	CO4 PO1
b.	Explain the Simple, Complex types of data in user defined XML scheme.	9	L2	CO4 PO1
c.	Discuss with examples the different Scalar types available in PHP.	9	L2	CO4 PO1
	UNIT - V	**18**		
5 a.	Summarize Rails react to request for static documents.	9	L2	CO5 PO1
b.	Explain the sequence of process involved in implementing Ajax through Rails.	9	L2	CO5 PO2
c.	Explain the following with examples considering the Triggering Ajax; i) Link-to-remote ii) observe-field iii) The controller	9	L2	CO5 PO1

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