Total No. of Questions: 6

Total No. of Printed Pages:3

Enrollment No.....



Faculty of Engineering

End Sem (Odd) Examination Dec-2018 CA5EL30 Internet & Web Technology

Programme: MCA Branch/Specialisation: Computer

Application

Duration: 3 Hrs. Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d.

Q.1 (M	ICQs)	should be written in full instea	d of only a, b, c or d.			
Q.1	i.	ISP exchanges internet traffic between their networks by		1		
		(a) Internet exchange point	(b) Subscriber end point			
		(c) Isp end point	(d) None of these			
	ii.	Which one of the following protocol is not used in internet?		1		
		(a) HTTP (b) DHCP	(c) DNS (d) None of these			
	iii.	The attribute of <form> tag</form>		1		
		(a) Method	(b) Action			
		(c) Both (a) and (b)	(d) None of these			
	iv.	What is the correct syntax	of the declaration which defines the	1		
		XML version?:				
			(b) xml version="(A)0"?			
		(c) xml version="(A)0" /				
	v.	Which method is called only once during the run time of y				
		applet?				
		(a) stop()	(b) paint()			
		(c) init()	(d) destroy()			
	vi. Cookies were originally designed for			1		
			(b) Server side programming			
		(c) Both (a) and (b)	(d) None of these			
	vii.	Which one of the following in PHP?	is the right way of defining a function	1		
		(a) function { function body	}			
		(b) data type functionName(parameters) { function body }				
		<pre>(c) functionName(parameters) { function body }</pre>				
	(d) function functionName(parameters) {function body}					

P.T.O.

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	viii.	Which of the following is not true? (a) PHP can be used to develop web applications. (b) PHP makes a website dynamic (c) PHP applications cannot be compile	
	ix.	(d) PHP cannot be embedded into html. A service provider that manages the server used to host an organisation website and its connections to the Internet backbones is known as:	1
		(a) Internet service provider (b) Hosting provider	
		(c) Client server (d) All of these	
	х.	The website for a company is hosted on a:	1
		(a) Web client (b) Web infrastructure	
		(c) Web server (d) Web page	
Q.2	i.	What are the differences between TCP and UDP?	2
۷.2	ii.	What are the tools for creation of website? Describe any two tools.	3
	iii.	What is WWW? How client server interacts using WWW.	5
OR	iv.	Describe internet addressing schemes. Give example of each	5
		addressing scheme.	
0.2	i.	What is VMI 2 Give an example of VMI	2
Q.3	i. ii.	What is XML? Give an example of XML. Explain how basic and nested tables are created using HTML.	8
	11.	Describe using example.	o
OR	iii.	Explain the various types of XML schema data types used. Explain	8
		the four possible keywords in a DTD declaration with suitable examples.	
Q.4	i.	Define Document Object Model (DOM).	3
`	ii.	Explain any five important methods of Cookie class. Write a Java	7
		program to demonstrate session tracking through cookie.	
OR	iii.	Explain the lifecycle of Applet. How will you pass parameters to	7
		Applet?	
Q.5	i.	Differentiate between the 'BITWISE AND' operator and the	4
_		'LOGICAL AND' operator in PHP.	
	ii.	Explain with an example program how to connect to a SQL Server database from a PHP script.	6

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OR	iii.	Write a PHP code to validate the form consisting of a username, password and email fields.	6
Q.6		Attempt any two:	
	i.	What is web hosting and how to do it? What are the requirements for hosting a website?	5
	ii.	What is dedicated server web hosting? Write the steps to start a web hosting company?	5
	iii.	What is URL registration? What is domain name registration process?	5

Marking Scheme

CA5EL30 Internet & Web Technology

Q.1	i.	ISP exchanges internet traffic between their networks by	1
	ii.	(a) internet exchange pointWhich one of the following protocol is not used in internet?(d) None of the mentioned	1
	iii.	The attribute of <form> tag (c) Both (a)&(b)</form>	1
	iv.	What is the correct syntax of the declaration which defines the XML version?:	1
	v.	(b) xml version="(A)0"? Which method is called only once during the run time of your applet?	1
	vi.	(c) init()Cookies were originally designed for(b) Server side programming	1
		Which one of the following is the right way of defining a function	1
	viii.	(d) function functionName(parameters) { function body }Which of the following is not true?(d) PHP can not be embedded into html.	1
	ix.	A service provider that manages the server used to host an organisation website and its connections to the Internet backbones is known as:	1
	х.	(b) Hosting providerThe website for a company is hosted on a:(c) Web server	1
Q.2	i.	Differences between TCP and UDP? TCP definition 1 mark	2
	ii.	UDP definition 1 mark What are the tools for creation of website? Describe any two tools.	3
		Name of tools 1 mark Description(1+1) 2 marks	

		iii.	What is? How client server interact using WWW.		5
			Definition WWW	2 marks	
			Procedure of client server interaction	3 marks	
	OR	iv.	Definition internet addressing schemes	2 marks	5
			Example of each addressing scheme.	3 marks	
	Q.3	i.	Definition XML	1 mark	2
			Example of XML.	1 mark	
		ii.	How basic and nested tables are created using HTM	ſL.	8
			Attributes description	2 marks	
			Basic table description	2 marks	
			Nested table description	2 marks	
			Example	2 marks	
	OR	iii.	XML schema data type	3 marks	8
			Description of keywords in a DTD declaration with	example	
				5 marks	
	Q.4	i.	Definition Document Object Model (DOM)		3
ii. Explain any five important methods of Cookie class. Write a Ja			ss. Write a Java	7	
			rogram to demonstrate session tracking through cookie.		
			Methods of cookies class	3 marks	
			Proper input	1 mark	
			Logic	2 marks	
			Output	1 mark	
	OR	iii.	Life cycle of applet	3 marks	7
			Proper input	1 mark	
			Logic	2 marks	
			Output	1 mark	
	Q.5	i.	Difference b/w 'BITWISE AND' operator and	the 'LOGICAL	4
			AND' operator in PHP.		
			Four Differences 1 mark for each	(1 mark * 4)	
		ii.	Explain with an example program how to connect t	o a SQL Server	6
			database from a PHP script.		
			Proper input	2 marks	
			Logic	2 marks	

		Output	2 marks	
OR	iii.	Interface	2 marks	6
		Validation logic	2 marks	
		Output	2 marks	
Q.6		Attempt any two:		
	i.	Definition	1 mark	5
		Procedure	1 mark	
		Requirement for hosting a website	3 marks	
	ii.	Definition of server web hosting	2 marks	5
		Steps to start a web hosting	3 marks	
	iii.	What is? What is domain name registration pro	cess?	5
		Definition of URL registration	2 marks	
		Domain name registration process	3 marks	
