

Enrollment No.....



Faculty of Engineering
End Sem (Odd) Examination Dec-2018
CS3EW01 / IT3EW01 Internet and Web Technology
 Programme: B.Tech. Branch/Specialisation: CS/IT

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 i. Which of the following is not a web server **1**
 (a) JBoss (b) IIS (c) Tomcat (d) Apache
- ii. _____ concept uses two or more protocols for its operation **1**
 (a) File transfer (b) Email
 (c) Remote command (d) None of these
- iii. A record is used in web publishing for **1**
 (a) Points to IP address (b) Web space
 (c) A record (d) None of these
- iv. CSS helps in **1**
 (a) How web page looks (b) Ease of maintenance
 (c) Uniform appearance (d) All of these
- v. XSL stands for **1**
 (a) XML stylesheet language (b) Extensible stylesheet language
 (c) XML style language (d) None of these
- vi. XML can be parsed using **1**
 (a) DOM (b) SAX
 (c) Both (a) and (b) (d) None of these
- vii. Not a benefit of PHP? **1**
 (a) Object Oriented (b) Familiarity with syntax
 (c) Open source (d) Bytecode
- viii. _____ is a part of servlet life cycle **1**
 (a) pre() (b) post() (c) init() (d) function()

- ix. Used to maintain state in http **1**
 (a) Session variable (b) Cookies
 (c) Hidden form field (d) All of these
- x. Expression is related to? **1**
 (a) IIS scripting element (b) JSP variable declaration
 (c) JSP scripting element (d) PHP scripting element

- Q.2 i. Differentiate between intranet and Internet. **2**
 ii. Outline various functionalities provided by application server. **8**
 Also name atleast two application servers.
- OR iii. Describe the hierarchy of domain name servers. **8**
- Q.3 i. Explain Document Object Model with an example. **3**
 ii. Give the steps for website planning. **7**
- OR iii. What do you mean by "list" tag? Explain the different types of list with example. **7**
- Q.4 i. XML proves to be the base for Web Technologies. Justify. **4**
 ii. Explain CSS and XSL with respect to XML. **6**
- OR iii. Describe a scenario to justify the need of XML transformation. **6**
- Q.5 i. What is javax-servlet.jar? List interfaces of javax.servlet package. **4**
 ii. Write a php program to specify age of every student of a class using associative arrays? **6**
- OR iii. List the servlet objects used interact with form elements. Also provide the method to retrieve the form input value. **6**
- Q.6 Attempt any two:
 i. Describe different JSP implicit objects. **5**
 ii. Explain angular JS with example. **5**
 iii. Provide a comparison of servlet with JSP using suitable diagram. **5**

P.T.O.

Marking Scheme

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Q.1	i.	Which of the following is not a web server (a) JBoss	1
	ii.	_____ concept uses two or more protocols for its operation (b) Email	1
	iii.	‘A record’ is used in web publishing for (a) Points to IP address	1
	iv.	CSS helps in (d) All of these	1
	v.	XSL stands for (b) Extensible stylesheet language	1
	vi.	XML can be parsed using (c) Both (a) and (b)	1
	vii.	Not a benefit of PHP? (d) bytecode	1
	viii.	_____ is a part of servlet life cycle (c) init()	1
	ix.	Used to maintain state in http (d) All of these	1
	x.	Expression is related to? (c) JSP scripting	1
Q.2	i.	Differentiate between intranet Internet	1 mark 1 mark 3
	ii.	Functionalities provided by application server 1 mark for each (1 mark *6) At least two application servers 1 mark for each (1 mark *2)	6 marks 8 2 marks
OR	iii.	Describe the hierarchy of domain name servers TLD Root Name servers Example	2 marks 2 marks 3 marks 1 mark 8
Q.3	i.	Document Object Model	2 marks 3

		Example	1 marks.	
	ii.	Steps for website planning 1 mark for each step	(1 mark * 7)	7
OR	iii.	List” tag Different types of list with example	2 marks 5 marks	7
Q.4	i.	XML proves to be the base for Web Technologies		4
	ii.	CSS XSL	3 marks 3 marks	6
OR	iii.	Scenario to justify the need of XML transformation		6
Q.5	i.	Javax-servlet.jar Interfaces of javax.servlet package	2 marks 2 marks	4
	ii.	php program to specify age of every student of a class using associative arrays		6
OR	iii.	Servlet objects used to interact with form elements Method to retrieve the form input value	3 marks 3 marks	6
Q.6		Attempt any two:		
	i.	Different JSP implicit objects. 1 mark for each	(1 mark *5)	5
	ii.	Angular JS Example	3 marks 2 marks	5
	iii.	Comparison of servlet with JSP Diagram	3 marks 2 marks	5
