

Enrollment No.....



Faculty of Engineering
End Sem (Even) Examination May-2022
CS3EW01 Internet & Web Technology

Programme: B.Tech.

Branch/Specialisation: CSE

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 protocol deals with emails- **1**
 (a) FTP (b) SMTP
 (c) LPD (d) X window
- ii. Which protocol ensures reliable delivery- **1**
 (a) TCP (b) UDP
 (c) Both (a) and (b) (d) None of these
- iii. Which of the following is the correct syntax to display the hyperlinks without any underline? **1**
 (a) A {text-decoration: underline;}
 (b) A {decoration: no-underline;}
 (c) A {text-decoration: none;}
 (d) None of these
- iv. Which of the following property is used as the shorthand property for the padding properties? **1**
 (a) Padding-left (b) Padding-right
 (c) Padding (d) All of these
- v. XML is a text-based markup language derived from- **1**
 (a) SGMA (b) SHML
 (c) SGML (d) DHML
- vi. Which of the following is false? **1**
 (a) XML cannot be used for offloading and reloading of databases.
 (b) XML can easily be merged with style sheets
 (c) XML can be used to store and arrange the data
 (d) XML can be used to exchange the information between organizations and systems

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- vii. Variable name in PHP starts with - **1**
 (a) ! (Exclamation) (b) \$ (Dollar)
 (c) & (Ampersand) (d) # (Hash)
- viii. Which of the following is not a variable scope in PHP? **1**
 (a) Extern (b) Local (c) Static (d) Global
- ix. Which of the following statements is/are correct about Bootstrap? **1**
 (a) It provides a free front - end framework
 (b) It is a completely open - source product
 (c) It gives the ability to create responsive designs
 (d) All of these
- x. Who is/are the developers of Bootstrap? **1**
 (a) Mark Otto and Jacob Thornton
 (b) Tim Berners - Lee
 (c) Hakon Wium Lie
 (d) None of these
- Q.2 i. Define WWW. **3**
 ii. Give detail description along with diagram of HTTP Request and Response Protocol. Also explain get and post methods with examples. **7**
- OR iii. Differentiate between Web servers and Application servers based on following points purpose, usefulness, resource consumption, target environment, multithreading support, protocols supported example. **7**
- Q.3 i. What does DOM in HTML means? **2**
 ii. Write DTD for following XML code. **3**
 <note>
 <to>Tove</to>
 <from>Jani</from>
 <heading>Reminder</heading>
 <body>Don't forget me this weekend</body>
 </note>
- iii. Write a script in HTML to show usage of list and tables. **5**
- OR iv. Write down rules to declare variable in JavaScript? Also pen down types of JavaScript Data Type. **5**
- Q.4 i. Define and explain three main components of XSL? **3**

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- ii. What is CSS? Write down three advantages and three disadvantages of displaying XML using CSS. **7**
- OR iii. What is XML? How XML is different from HTML? Are they complimenting to each other? **7**
- Q.5 i. Draw and explain lifecycle of Servlet. **4**
 ii. What is the role of cookies? How is it created? **6**
- OR iii. Write features of PHP. **6**
- Q.6 Write short note on any two:
 i. JSP **5**
 ii. JDBC **5**
 iii. MVC framework **5**

Marking Scheme

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Q.1	i.	Which protocol deals with emails- (b) SMTP	1
	ii.	Which protocol ensures reliable delivery- (a) TCP	1
	iii.	Which of the following is the correct syntax to display the hyperlinks without any underline? (c) A {text-decoration: none;}	1
	iv.	Which of the following property is used as the shorthand property for the padding properties? (c) Padding	1
	v.	XML is a text-based markup language derived from- (c) SGML	1
	vi.	Which of the following is false? (a) XML cannot be used for offloading and reloading of databases.	1
	vii.	Variable name in PHP starts with - (b) \$ (Dollar)	1
	viii.	Which of the following is not a variable scope in PHP? (a) Extern	1
	ix.	Which of the following statements is/are correct about Bootstrap? (d) All of these	1
	x.	Who is/are the developers of Bootstrap? (a) Mark Otto and Jacob Thornton	1
Q.2	i.	Define WWW.	3
	ii.	Description along with diagram HTTP Request 1.5 marks Response Protocol 1.5 marks Get methods 1.5 marks Post methods 1.5 marks Examples 1 mark	7
OR	iii.	Differentiate between Web servers and Application servers 1 mark for each point (1 mark * 7)	7
Q.3	i.	DOM in HTML As per the explanation	2
	ii.	Write DTD for following XML code.	3

		<?xml version="1.0"?> <!DOCTYPE note [<!ELEMENT note (to,from,heading,body)> <!ELEMENT to (#PCDATA)> <!ELEMENT from (#PCDATA)> <!ELEMENT heading (#PCDATA)> <!ELEMENT body (#PCDATA)>]>	
	iii.	HTML list HTML tables.	2.5 marks 2.5 marks
OR	iv.	Rules to declare variable in JavaScript Types of JavaScript Data Type	2.5 marks 2.5 marks
Q.4	i.	Three main components of XSL 1 mark for each (1 mark * 3)	3
	ii.	CSS Three advantages of displaying XML using CSS 1 mark for each (1 mark * 3) Three disadvantages of displaying XML using CSS 1 mark for each (1 mark * 3)	1 mark 3 marks 3 marks
OR	iii.	XML and difference from HTML and they are complimenting to each other or not. As per the explanation	7
Q.5	i.	Draw and explain lifecycle of Servlet. As per the explanation	4
	ii.	Role of cookies and its creation As per the explanation	6
OR	iii.	Features of PHP.	6
Q.6		Write short note on any two:	
	i.	JSP As per the explanation	5
	ii.	JDBC As per the explanation	5
	iii.	MVC framework As per the explanation	5
