	Reg. No.									
D	- C - 1	1/	220							

Question Paper Code

13308

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV / DEC 2024

Sixth Semester

Electronics and Communication Engineering

(Common to Computer and Communication Engineering)

20ITOE903 - Web Design

Regulations - 2020

	Duration: 3 Hours	Max. M	arks:	100	
	PART - A (MCQ) (20×1)	= 20 Marks)	14 1	<i>K</i> –	CO.
	Answer ALL Ques		Marks	Level	CO
1.	What is the purpose of the <title> tag in XHTML?</td><td></td><td>1</td><td>K1</td><td>CO1</td></tr><tr><td></td><td></td><td>tyle the document</td><td></td><td></td><td></td></tr><tr><td></td><td>(c) To insert images (d) To c</td><td>reate hyperlinks</td><td></td><td></td><td></td></tr><tr><td>2.</td><td>Which of the following describes the concept of a "r</td><td>· ·</td><td>1</td><td>K2</td><td>CO1</td></tr><tr><td></td><td>development?</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(a) The process of loading web pages from multiple</td><td>servers</td><td></td><td></td><td></td></tr><tr><td></td><td>(b) The separation of data, logic, and presentation la</td><td>yers into distinct components</td><td></td><td></td><td></td></tr><tr><td></td><td>(c) A method for hosting websites on a single server</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(d) A way to combine client-side and server-side coo</td><td>le</td><td></td><td></td><td></td></tr><tr><td>3.</td><td>Which of the following is a deprecated tag in modern</td><td>n web development?</td><td>1</td><td><i>K</i>2</td><td>CO1</td></tr><tr><td></td><td>(a) <article> (b) (c) <sec</td><td>tion> (d) <header></td><td></td><td></td><td></td></tr><tr><td>4.</td><td>What is the purpose of the <form> tag in HTML?</td><td></td><td>1</td><td><i>K</i>2</td><td>CO2</td></tr><tr><td></td><td></td><td>reate a form for user input</td><td></td><td></td><td></td></tr><tr><td></td><td>(c) To create an image (d) To de</td><td>efine links</td><td></td><td></td><td></td></tr><tr><td>5.</td><td>In CSS, what is the purpose of the box-sizing proper</td><td>ty?</td><td>1</td><td>K1</td><td>CO2</td></tr><tr><td></td><td>` '</td><td>ontrol the font size</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>hange text alignment</td><td></td><td></td><td></td></tr><tr><td>6.</td><td>What is the default value of the position property in</td><td></td><td>1</td><td><i>K1</i></td><td>CO2</td></tr><tr><td></td><td>(a) absolute (b) relative (c) station</td><td>` '</td><td></td><td></td><td></td></tr><tr><td>7.</td><td>Which JavaScript method is used to retrieve the curr</td><td></td><td>1</td><td><i>K1</i></td><td>CO3</td></tr><tr><td></td><td>(a) getFullYear() (b) currentYear() (c) getY</td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td><td></td></tr><tr><td>8.</td><td>In a servlet, how do you track sessions using cookies</td><td></td><td>1</td><td><i>K</i>2</td><td>CO3</td></tr><tr><td></td><td>(a) By using HttpServletRequest.getCookies()</td><td>(b) By using HttpSession</td><td></td><td></td><td></td></tr><tr><td></td><td>(c) By using getSession()</td><td>(d) By using setCookies()</td><td></td><td></td><td></td></tr><tr><td>9.</td><td></td><td></td><td>1</td><td>K1</td><td>CO3</td></tr><tr><td></td><td>• • • • • • • • • • • • • • • • • • • •</td><td>nTracking</td><td></td><td></td><td></td></tr><tr><td></td><td>(c) SessionState (d) UserS</td><td>ession</td><td>_</td><td></td><td>a</td></tr><tr><td>10.</td><td>XML stands for</td><td></td><td>1</td><td>K1</td><td>CO4</td></tr><tr><td></td><td>1 0 0</td><td>nsible Markup Language</td><td></td><td></td><td></td></tr><tr><td></td><td>(c) Extra Markup Language (d) Non</td><td></td><td>_</td><td></td><td>~~·</td></tr><tr><td>11.</td><td>What is the difference between well-formed and valid</td><td></td><td>1</td><td><i>K</i>2</td><td>CO4</td></tr><tr><td></td><td>(a) Well-formed follows syntax; valid adheres to DT</td><td>'D/schema</td><td></td><td></td><td></td></tr><tr><td></td><td>(b) Valid is readable; well-formed is not</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(c) Both are the same</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>(d) None</td><td></td><td>7</td><td>W2</td><td>001</td></tr><tr><td>12.</td><td>Which component is not part of DHTML?</td><td>(1) 7</td><td>1</td><td><i>K</i>2</td><td>CO4</td></tr><tr><td></td><td>(a) HTML (b) CSS (c) XMI</td><td>(d) JavaScript</td><td></td><td></td><td></td></tr></tbody></table></title>				

13.	. Which of the following is a feature of Python in web deve	lopment? 1	K1	CO5
	(a) Easy integration with frameworks (b) Server-sid	e scripting		
	(c) Data processing (d) All of the	above		
14.	. Which HTTP request type is idempotent?	I	K1	CO5
		th GET and PUT		
15.	6. What does IIS stand for?	I	K1	CO5
		formation Services		
	(c) Internal Internet Server (d) None			
16.	6. What does HTTP stand for?	I	<i>K1</i>	CO5
		xt Transport Protocol		
1.7	(c) High Transfer Protocol (d) None	7	νo	CO6
17.	What is the default port number for HTTP?	1	K2	CO6
10	(a) 80 (b) 443 (c) 8080 (d) 21	lonment?	<i>K1</i>	C06
18.	3. Which of the following is a feature of Python in web deve	iopinent:	K1	COO
	(a) Easy integration with frameworks (b) Server-sid	1 0		
10	(c) Data processing (d) All of the b. What is the key difference between XHTML and HTML?		K2	C06
17.	•	pports dynamic content		000
	(c) XHTML is faster (d) None	sports dynamic content		
20	Which attribute is used in an XML declaration?	I	<i>K1</i>	CO6
20.	(a) version (b) encoding (c) Both a and	l b (d) None		
	(1)	(4) 2 . 6 . 5 . 6		
	PART - B $(10 \times 2 = 20 \text{ Marks})$)		
	Answer ALL Questions	,		
21.	. List any five HTML features.	2	K1	CO1
22.	. Enumerate the functions of web servers.	2	K2	CO1
	. Articulate the role of internet in research.	2	K2	CO2
	Give syntax for CSS rule.	2	<i>K1</i>	CO2
	•	2	K1	CO3
	Write the syntax for box model.	2	K2	CO3
	b. Draw the servlet life cycle architecture.			
	. Define deployment descriptor.	2	K2	CO4
28.	3. Differentiate XML and XSLT.	2	<i>K1</i>	CO4
29.	. Summarize the uses of Perl language.	2	K2	CO5
30.	. Write the procedure to access a web server using IP address	SS. 2	<i>K1</i>	CO6
	PART - C $(6 \times 10 = 60 \text{ Max})$ Answer ALL Questions	•		
31.		10	K2	CO1
51.	• a) Illustrate in detail about CSS and its use in HTML. OR			
		1	vo	COL
	b) Summarize the architecture of a multi tier application	on with a near sketch.	K2	CO1
32.	. a) List the necessities of using HTML forms. Creat	e a HTML Form page for 10	K2	CO2
	Railway Registration Form.			

 \mathbf{OR}

b) Illustrate HTML code for the following table format.

		U						
Types of Vehicle								
SNo	Type	Brand						
1	Petrol	Maruthi						
2		Tata						
3	Electric	BMW						
4		Tesla						
5	Diesel	Hyundai						
6		Kia						

33. a) Write short notes on the following servlet classes, GenericServlet, ¹⁰ K3 CO3 ServletInputStream, ServletOutputStream and ServletException GenericServlet.

OR

- b) Discuss about Javascript debugging. Explain how local and global functions 10 K3 CO3 can be written using javascript.
- 34. a) Articulate DOM based XML processing in detail with example.

OR

b) Explain XPATH nodes in detail.

10 K2 CO4

K2 CO2

35. a) Explain Web server system Architecture with a neat sketch.

10 K2 CO5

- b) Illustrate HTTP requests, system architecture with a neat sketch.
- 10 K2 CO5

K3 CO6

10

36. a) Enumerate the working principle of Microsoft personal web server with neat 10 K3 CO6 sketch and suitable example.

OR

b) Discover a XML document to store Student ID, Student name, Student address and Student date of birth details and validate the document with the help of DTD.