

17 JUN 2023

Reg. No.

Question Paper Code

11870

B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2023

Fifth Semester

Information Technology**20ITPC501 – WEB TECHNOLOGY**

(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|---|-------------------------------|
| 1. What is the purpose of canvas in HTML5? | 2,K1,CO1 |
| 2. Name the CSS Property to define text color and alignment to <p> tag. | 2,K1,CO1 |
| 3. List out the primitive data types in JavaScript. | 2,K1,CO2 |
| 4. What are the salient features of Angular 6? | 2,K1,CO2 |
| 5. What are the two types of DOM event handling? | 2,K1,CO3 |
| 6. Define Servlet life cycle. | 2,K1,CO3 |
| 7. List out the different JSP directives. | 2,K1,CO4 |
| 8. What is XML namespace? Give an example. | 2,K1,CO4 |
| 9. List out any four merits of AJAX in web service. | 2,K1,CO5 |
| 10. Compare AJAX and JavaScript? | 2,K2,CO5 |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

- | | |
|--|----------|
| 11. a) (i) Discuss how to create tables in HTML with examples. | 7,K3,CO1 |
| (ii) How to create list in HTML? Explain with example. | 6,K3,CO1 |

OR

- | | |
|---|-----------|
| b) Apply External CSS to a web page with the following requirements | 13,K3,CO1 |
| (i) Paint the background gray | |
| (ii) Add a background image of a submarine | |
| (iii) Set a color to the span elements (different color for each class) | |
| (iv) Set the title h2 to be uppercase-first letter | |
| (v) Set a line spacing between the lines | |
| (vi) Set letter spacing between the letters in each span of type instruction. | |

- | | |
|---|----------|
| 12. a) (i) Explain about functions in JavaScript with examples. | 7,K2,CO2 |
| (ii) Explain about arrays in JavaScript with examples | 6,K2,CO2 |

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

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OR

b) Explain Two way binding in Angular 6 with examples 13,K3,CO2

13. a) (i) Construct a DOM tree for the below HTML document 7,K3,CO3

```
<html>
<head>
<title>Page Title</title>
</head>
<body>

<h1>My First Heading</h1>
<p>My first paragraph.</p>

</body>
</html>
```

(ii) Write a short note on cookies with example. 6,K2,CO3

OR

b) Explain in detail the concept of cookies with an example program. 13,K2,CO3

14. a) Explain in detail about JSP architecture and compare JSP with Servlet 13,K2,CO4

OR

b) Create an XML to represent the BOOKS catalog that has the following elements (TITLE, ISBN NO, AUTHOR, PUBLISHER, PRICE). 13,K3,CO4
Display the book details in HTML document and styled with XSLT

15. a) Explain about Call Back Methods in Ajax with examples. 13,K2,CO5

OR

b) Explain about the XMLHttpRequest Object in detail. 13,K2,CO5

PART - C (1 × 15 = 15 Marks)

16. a) Discuss the creation of a Java Web Service in detail with examples. 15,K2,CO6

OR

b) Formulate the principles of WSDL, XML and SOAP and their interaction between them in web service applications. 15,K2,CO6