Question Paper Code	12848

B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2024

Fifth Semester

Information Technology

20ITPC501 - WEB TECHNOLOGY

Regulations - 2020

Duration: 3 Hours   Max. Marks: 100

PART - A (10 × 2 = 20 Marks)
Answer ALL Questions

		Marks	K-Level	CO
1.	Write a HTML code to display an image.	2	K2	CO1
2.	What is Normal Flow Box Layout in CSS?	2	K1	CO1
3.	Write the JavaScript program to print "GoodDay" using IF-ELSE condition.	2	K2	CO2
4.	Define data binding.	2	K1	CO2
5.	List the types of event listeners in DOM2.	2	K1	CO3
6.	How session handling is done in server side scripts?	2	K2	CO3
7.	Give the advantages of using JSP for server side programming.	2	K1	CO4
8.	Write two basic differences between JSP and Servlet.	2	K2	CO4
9.	State JAX-RPC. Give two benefits.	2	K1	CO6
10.	List the important features of Web services.	2	K1	CO6

PART - B (5 × 13 = 65 Marks)
Answer ALL Questions

		Marks	K-Level	CO
11. a) i)	Explain the use of relative URL's with an example.	6	K2	CO1
ii)	Explain how tables can be inserted into a HTML document with an example.	7	K2	CO1

OR

		Marks	K-Level	CO
b)	Discuss the various aspects of Normal Flow Box Layout in the context of CSS	13	K2	CO1

		Marks	K-Level	CO
12. a) i)	Explain the Java script array and its methods with an example.	7	K2	CO2
ii)	Explain the following Java script objects with an example: a) RegExp b) Math	6	K2	CO2

OR

		Marks	K-Level	CO
b)	Summarize in detail about Data binding and explain with an example.	13	K2	CO2

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create   **12848**

13. a) Explain the purpose of the following DOM method and its properties with an example.   *13   K2 CO3*
        a) getElementById
        b) createElement
        c) createTextNode
        d) appendChild
        e) parentNode

OR

   b) Illustrate a servlet program which accepts two numbers using POST method and displays the maximum of them.   *13   K2 CO3*

14. a) Demonstrate and generate a DTD for the XML document with the following student's details such as, register number, name, subject and marks. Display the collected information in the descending order of marks.   *13   K2 CO4*

OR

   b) Explain the following with suitable examples   *13   K2 CO4*
       (1) XSLT
       (2) XPATH
       (3) XQuery

15. a) Discuss about the features of AJAX for building interactive applications for the Web.   *13   K2 CO6*

OR

   b) Write short notes on SOAP, WSDL, REST and XML schema.   *13   K2 CO6*

PART - C (1 × 15 = 15 Marks)

16. a) Develop an Employee Registration form using JSP and JDBC with suitable example.   *15   K2 CO5*

OR

   b) Identify the various categories of JSP tags. Explain each of them with syntax and suitable examples.   *15   K2 CO5*