



B.E DEGREE EXAMINATIONS: APRIL / MAY 2023

(Regulation 2018)

Sixth Semester

COMPUTER SCIENCE AND ENGINEERING

U18CSI6201: Internet and Web Programming

COURSE OUTCOMES

- CO1:** Design a website using HTML [K5, S3]
CO2: Apply Cascading Style Sheet to design a HTML Webpage [K3, S2]
CO3: Develop a HTML form and validate it using Java Script (K5, S2[
CO4: Develop web application using JSP, Servlet [K5, S3]
CO5: Develop an XML document and validate it using SCHEMA [K5, S2]

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Match the List –I (HTML5 Features) with List-II (Descriptions)

CO1 [K₂]

List I	List II
A.Canvas	i. It is a JavaScript running in the background, without affecting the performance of the page.
B.Geolocation	ii. web applications can store data locally within the user's browser
C.WebStorage	iii. It is used to draw graphics on a web page.
D.Webworkers	iv.It is used to get the geographical position of a user.

A B C D

- a) i ii iii iv
 b) iii iv ii i
 c) iii iv i ii
 d) iii i iv ii

2. Which popup box you use to verify something from user?

CO3 [K₁]

- a) alert("Write some text here") b) confirm("Write some text here")
 c) prompt("Write here some text","Write default value here") d) None of the above

9. Assertion (A): XML schemas reduce the burden of processing XML. CO5 [K₂]
Reason (R): XML schema support different ways to define data types and provide more functionalities
- a) Both A and R are Individually true and R is the correct explanation of A b) Both A and R are Individually true but R is not the correct explanation of A
c) A is true but R is false d) A is false but R is true
10. Which tag should be used to pass information from JSP to included JSP? CO4 [K₁]
- a) Using <%jsp:page> tag b) Using <%jsp:param> tag
c) Using <%jsp:import> tag d) Using <%jsp:useBean> tag

PART B (10 x 2 = 20 Marks)
(Answer not more than 40 words)

11. How to insert an audio file & video file on the webpage in HTML? CO1 [K₁]
12. Create an HTML form that includes text input fields for a user's name and email address, as well as a submit button. CO1 [K₁]
13. What is the difference between relative and absolute positioning in CSS? CO2 [K₁]
14. Explain three types of popup boxes in JavaScript. CO3 [K₂]
15. Differentiate between client-side scripting and Server-Side Scripting with examples CO3 [K₂]
16. Explain the purpose of parameter data in servlets. CO4 [K₂]
17. How would you determine whether to use sessions or cookies to store data in a Java Servlet? CO4 [K₂]
18. Outline the applications of Java Server Pages (JSP). CO4 [K₂]
19. How would you develop an XML namespace to avoid naming conflicts in an XML document? CO5 [K₂]
20. Differentiate XML and HTML. CO5 [K₂]

Answer any FIVE Questions:-
PART C (5 x 14 = 70 Marks)
(Answer not more than 350 words)

21. a) Develop an HTML5 document that gathers information for an online product ordering system. Use the necessary form elements and make proper selections. There should be default values for the elements. Use the POST method for form submission and specify the empty string for the action. Include geolocation, canvas, audio, and video on the main page of the online product system. 10 CO1 [K₃]
- b) Explain about the following events in Javascript with suitable examples: 04 CO3 [K₂]
a) FocusEvent b) MouseEvent

22.	a)	Explain different types of Cascading Style Sheets with examples.	10	CO2	[K ₂]
	b)	Organize the web content using the CSS Box model.	04	CO2	[K ₂]
23.		Explain about lifecycle of JSP with example.	14	CO4	[K ₂]
24.	a)	Develop Servlet code to perform arithmetic operations.	06	CO4	[K ₃]
	b)	Explain how cookies are created and sessions are tracked by servlet in detail with a suitable example.	08	CO4	[K ₂]
25.	a)	Develop an on-line recruitment form of an XYZ Company and perform validation, Using JavaScript. The form consisting of Name, DOB (list), Phone No, Sex(radio), Address, E-mail, Highest Qualification, Branch and Percentage of marks.	10	CO3	[K ₃]
		Validations:If Highest qualification is B.E / B.Tech. and Branch is CSE/IT and percentage of marks is above 75 % then display Mr./Ms (name), the information provided by you has been registered with us. else display Mr./Ms (name), the information provided by you is not registered.			
	b)	Explain about Web services.	04	CO5	[K ₂]
26.	a)	Develop an XML document to store student information to store name, rollno, email, mobile number, course name and generate XML schema for it.	08	CO5	[K ₃]
	b)	Explain about SOAP architecture.	06	CO5	[K ₃]
