CENTRAL INSTITUTE OF TECHNOLOGY KOKRAJHAR
(Deemed to be University)
KOKRAJHAR :: BTR :: ASSAM :: 783370
END – SEMESTER EXAMINATION
DIPLOMA

Session: January - June, 2025   Semester: VI   Time: 3Hrs.   Full Marks: 100

Course Code: DCSE601   Course Title: WEB TECHNOLOGY

(ANSWER ANY FIVE QUESTIONS)

1. a) Write the difference between the followings: 3+3+4=10

    (i) HTTP and HTTPS

    (ii) XML and HTML

    (iii) Java and JavaScript

  b) In what ways the variable declaration using *var* and *let* differ in JavaScript?   6

  c) What do you mean by cascading order in CSS?   4

2. a) Write a JavaScript program that accepts a user's age and display the following messages:

    o   if age < 15 then "You are a kid",
    o   if age between 16 and 40 then "You are young" and
    o   if age above 40 then "You are old".   10

  b) Briefly explain CSS id selector and class selector with suitable examples.   10

3. a) Write HTML code to display the following table: 10

A	B		C
D	E		
			G
H		I	J
		F	
	K		L

  b) Explain the different types of lists in HTML with suitable examples.   10

4. a) What is XML? When an XML document is said to be well-formed?   2+8=10

  b) What is AJAX? Explain with a neat diagram how AJAX works.   3+7=10

5. You have to develop a web application using HTML, PHP and MySQL that can

    ▪ register a new patient in a hospital and
    ▪ display the registered list of patients.

The registration form should contain the fields such as Patient ID, Name, Gender, Date of Birth, Address Line1, District, State and Pin Code. Write the HTML and PHP code for developing this application.   20

6. Write short notes on the followings: 5x4=20

    i) Common Gateway Interface (CGI)   ii) Web server

    iii) External CSS   iv) World Wide Web

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