Reg. No. :	

SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution, Affiliated to Anna University)
Coimbatore – 641 035.

B.E DEGREE END SEMESTER EXAMINATION, NOV / DEC 2022

FIFTH SEMESTER

B.TECH – INFORMATION TECHNOLOGY

19ITB301 – WEB TECHNOLOGY

(REGULATION 2019)

TIME: THREE HOURS **MAXIMUM MARKS: 100**

ANSWER ALL QUESTIONS

PART A — (10 x 2 = 20 Marks)

		CO	BL	Marks
1.	Define HTML and name some of the elements in HTML.	CO1	Rem	2
2.	Construct the points supporting the similarities and difference between URI & URL.	CO1	Cre	2
3.	Define CSS and infer the usage of Style Sheets in HTML?	CO2	Und	2
4.	Analyze various data types & statements types in JavaScript	CO2	Ana	2
5.	Utilize the concept of servlet and explain the functions of doGet() and doPost() Method	CO3	App	2
6.	Explain the importance of cookies and methods associated with Cookie class.	CO3	Eva	2
7.	Discuss the various Datatypes of JSON.	CO4	Cre	2
8.	Define and outline the concepts of XSLT	CO4	Und	2
9.	Distinguish between Client server & p2p architecture	CO5	Ana	2
10.	Relate the similar concepts of Angular JS with XML	CO5	Und	2

PART B — (5 x 16 = 80 Marks)

11.	**(a)**	**(i)**	Explain the three way handshaking protocol with HTTP request/response base model	CO1	Und	8
		(ii)	Identify the various Tags, Elements, Structure and recognized/unrecognized Attributes of HTML with an example program	CO1	App	8
			(OR)			

	(b)		Propose and Illustrate the concept, principles and designing of Forms using HTML element attributes in detail with an example program with display table in the backend.	CO1	Cre	16
12.	**(a)**	**(i)**	Compose various layout designs of Normal Flow Box Model and Layout	CO2	Cre	10
		(ii)	List out the various Style Rule Cascading concepts associated to Inheritance with a suitable HTML CSS program	CO2	Ana	6
			(OR)			
	(b)		What are all the Syntax, Variables, Data Types & Statements associated with JavaScript? Relate each aspect with a suitable coding example.	CO2	Rem	16
13.	**(a)**		Analyze in detail about Event handling methods with intrinsic/extrinsic features. Explain with example program for each Event handler function.	CO3	Ana	16
			(OR)			
	(b)		Compose various stages of Servlet life cycle with suitable figures prevailing in each stage with respect to http request/response model.	CO3	Cre	16
14.	**(a)**		Explain in detail about Syntax, Data types and Objects associated with JSON	CO4	Und	16
			(OR)			
	(b)		Construct a XML document that stores information about a user/student in an engineering college. The information must include S.No, Name, Name of the College, Brach, Year of Joining, and e-mail id. Make up sample data for 5 students. Create a CSS style sheet and use it to display the document.	CO4	Cre	16
15.	**(a)**		List out the various concepts associated Ajax Client Server Architecture with a neat diagram and an example program for each concept.	CO5	Rem	16
			(OR)			
	(b)		Explain in detail about the Angular JS, its Framework and various state Applications with suitable example programs.	CO5	Eva	16

CO – Course Outcome, Blooms Taxonomy Abbreviations: Rem - Remembrance, Und-Understanding, App - Apply, Ana - Analyze, Eva - Evaluate, Cre - Create

Note:

1. **Part B Questions are to be taken from first half of the units and the choice of the questions are to be taken from second half of the units.**
2. **In Part B,**
   a. **One question (either/or) must be Application oriented /CASE STUDY based from any one unit.**
   b. **Four questions are either or type covering remaining four units.**
3. **In Part B, Out of 5 Questions, 3 Questions may have Sub divisions (8+8 / 10+6 / 9+7 mark split up's (out of 16) are permitted).**
4. **The Question paper setters should constitute at least 40 % of Bloom's taxonomy levels like Remembering & Understanding and 60 % of like Applying & Analyzing during setting the question papers.**
5. **Kindly ensure each "Either or Choice Questions" are in same BT Level.**
6. **Fill Marks and BT Level against each question without fail.**

Blooms Taxonomy Level (BTL)	Marks in each Divisions		Total Marks for each BTL	% of Distribution
	Part – A 2 Marks each	Part – B Either or choice Marks (16)		
Remember (Rem)	2	32		
Understand (Und)	6	24		
Apply (App)	2	8		
Analyze (Ana)	4	22		
Evaluate # (Eva)	2	16		
Create # (Cre)	4	58		
Total	20	160	180	100

#Depending upon the course, Eva/ Cre can be incorporated.