Web Design

Section-A(Attempt all Questions)

			Marks	
Q 1	A	What is CSS?	1	
	B	Define CSS Selectors	1	
	C	Define any two features of JavaScript	1	
	D	How to add external JavaScript file in HTML page? Discuss with coding	1	
	E	What is the difference between attribute and properties?	1	
		Section-B(Attempt Any Five Questions)		
Q 2	A	What is the role of CSS in Web Designing?	2	
	B	What is the difference between 1 Descendant Selector and Child Selector 2 Adjacent Sibling Selector and General Sibling Selector	2	
	C	What is bootstrap? Define advantages of bootstrap	2	
	D	Define all display possibilities with an example	2	
	E	Discuss any two operators in JavaScript with an example in detail	2	
	F	Write a JavaScript code for accepting a value in text field from the user, multiply with 10, and display the result	2	
		Section-C(Attempt Any One Part From Each Question)		
Q 3	A	How many ways to implement CSS in Web Designing. Explain with suitable examples.	5	
	B	Write a JavaScript code for calculate the factorial value of number 5	5	
Q4	A	What is the use of attribute selector? Discuss all types of attribute selectors with a suitable example	5	
	B	Discuss JavaScript event with an example with code	5	
Q5	A	Discuss Following Properties in brief with an example 1 Box Properties 2 Background Properties 3 Block Properties 4 List Properties 5 Border Properties	5	
	B	How to implement switch statement in JavaScript? Write a JavaScript code for displaying current day of that date	5	

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COURSE (BRANCH) : BCA-IBM				
TIME: 2HRS	SUBJECT- Data Science	SUBJECT CODE- CAUBC3041		SEMESTER 3rd MM: 30

		SECTION –A (ATTEMPT ALL QUESTIONS)	**5**	**CO**	**[illegible]**
1	A	What is structured data, and where is it commonly used?	1	CO3	K1
	B	Identify one common data source used in machine learning.	1	CO4	K1
	C	Define data normalization with an example.	1	CO3	K2
	D	State one purpose of using reinforcement learning.	1	CO4	K1
	E	What does a classification algorithm predict?	1	CO4	K2
		SECTION –B (ATTEMPT ANY FIVE QUESTIONS)	**10**		
2	A	Explain the difference between regression and classification.	2	CO4	K2
	B	Describe an example where reinforcement learning is more suitable than supervised learning.	2	CO4	K3
	C	What are the steps involved in imputing missing data using the KNN algorithm?	2	CO4	K3
	D	What is an outlier, and how does it impact regression models?	2	CO4	K2
	E	Explain one real-world application of clustering.	2	CO4	K3
	F	Why are APIs preferred for real-time data collection over web scraping?	2	CO3	K4
		SECTION – C (ATTEMPT ANY ONE PART FROM THREE QUESTIONS)	**15**		
3	A	Explain the process of splitting a dataset into training, validation, and testing sets. Why is it essential to use a validation set?	5	CO4	K4
	B	What is the difference between supervised and unsupervised learning?	5	CO4	K2
4	A	How can missing data be handled in a dataset? List at least three techniques.	5	CO3	K3
	B	What is the purpose of cross-validation in machine learning?	5	CO4	K4
5	A	What is the purpose of feature scaling? Explain Min-Max scaling and Standardization.	5	CO3	K2
	B	Explain the difference between structured and unstructured data. Provide examples of each.	5	CO3	K2

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ODD SEM 2024-25 ROLL NO. 2310102005 2

COURSE (BRANCH): BCA & BCA(IBM)

TIME: 2HRS | SUBJECT: COMPUTER NETWORK | SEMI

SUBJECT CODE: CAUEBC31Z1 | M

SECTION –A (ATTEMPT ALL QUESTIONS) — 5 | CO

1	A	Define Framing?	1	CO
	B	What is IP addressing?	1	CO
	C	List the name of sliding window protocol	1	CO
	D	What is the purpose of an NIC?	1	CO
	E	Define persistent methods	1	CO

SECTION –B (ATTEMPT ANY FIVE QUESTIONS) — 10

2	A	What is error? and its types.	2	CO3
	B	Compare and contrast flow control and error control.	2	CO3
	C	Distinguish between Pure ALOHA and Slotted Aloha	2	CO4
	D	Describe CSMA Protocol.	2	CO3
	E	How even parity check error detection method work?	2	CO4
	F	In a block of addresses, we know the IP address of one host is 25.34.12.56/16. What are the first address (network address) and the last address (limited broadcast address) in this block?	2	CO4

SECTION –C (ATTEMPT ANY ONE PART FROM EACH QUESTION) — 15

3	A	Describe stop and wait ARQ algorithm with an example.	5	CO3
	B	Station A need to send a message consisting of 9 packets to station B using sliding window (window size 3) and go-back-n error control strategy. All packets are ready and immediately available for transmission. If every 5th packet that A transmits gets lost(but no ACKs from B ever get lost), then what is the number of packets that A will transmit for sending the message to B?	5	CO3
4	A	What is Checksum & How it works illustrate with a example.	5	CO3
	B	What is Cyclic Redundancy check? and a bit stream 1101001101 is transmitted using the standard CRC method. The generator polynomial is x3+x+1. What is the actual bit string transmitted?	5	CO4
5	A	Explain Dijkstra routing protocol with an example.	5	CO4
	B	What are the differences between classful addressing and classless addressing in IPv4?	5	CO4

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