(b) What are dialog boxes in JavaScript ? Write a JavaScript program to display the sum of two textbox values in the third textbox. (CO4)

(c) What is form validation ? Write a HTML program to validate a registration form ? (CO4)

5. (a) Write a PHP program to develop student registration form and display all the submitted data on the page. (CO5)

(b) Elaborate on various string handling functions in PHP ? Write a PHP code to convert the lower case string to upper case EXAMPLE : gehu bhimtal=GEHU BHIMTAL. (CO5)

(c) Explain arrays in PHP with its types with the help of an example. (CO5)

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TBI–502

B. SC. (IT) (FIFTH SEMESTER) END SEMESTER EXAMINATION, Jan., 2023

FULL STACK DEVELOPMENT

Time : Three Hours

Maximum Marks : 100

Note : (i) All questions are compulsory

(ii) Answer any *two* sub questions among (a), (b) and (c) in main question.

(iii) Total marks in each main question are **twenty**.

(iv) Each question carries 10 marks.

1. (a) What is World Wide Web and its uses ? Explain. Differentiate between static and dynamic websites. (CO1)

(b) Explain the following : (CO1)
    (i) URL
    (ii) POP3
    (iii) MIME
    (iv) IMAP with suitable example.

P. T. O.

(c) What is the role of web server ? Explain load balancing and application servers.

(CO1)

2. (a) Make a HTML form as per below elements :   (CO2)

First name : [   ]

Last name : [   ]

User ID : [   ]

Password : [   ]

dob : [dd ---------- yyyy   ☐]

Description :

> Enter description here

─ related data ─────────
☐ Maths ☐ Physics
○ Maths ○ Physics

[Maths ∨]
[Choose Files] No file chosen
[Submit] [Reset] [OK]

(b) Make a HTML document for the following table :   (CO2)

	average		Other category
	height	weight	
males	1.9	0.003	yyy
females	1.7	0.002	xxx

(c) What are the different types of CSS ? Explain each type with the help of suitable example.   (CO2)

3. (a) Explain XML and types of xml file. Differentiate between HTML and XML ?

(CO3)

(b) Explain advantages and disadvantages of XML ? How to display XML data in an HTML page using JavaScript ?   (CO3)

(c) What is DTD ? Explain internal DTD and external DTD.   (CO3)

4. (a) What is JavaScript ? What are the features of JavaScript ? What are the ways of adding JavaScript code in an HTML file ?

(CO4)