

R18

Code No: 155DN

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, July/August - 2023

WEB TECHNOLOGIES

(Common to CSE, CSBS)

Time: 3 Hours

Max. Marks: 75

- Note:** i) Question paper consists of Part A, Part B.
ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.
iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART - A

(25 Marks)

- 1.a) How to declare an array in PHP? [2]
- b) Why PHP is called server side programming language? Justify? [3]
- c) What is HTML? [2]
- d) How is HTML different from DHTML? [3]
- e) How can you invoke other web resources such as servlets /JSPs? [2]
- f) What are the advantages of servlets over CGI? [3]
- g) Why do we use JSP instead of HTML? [2]
- h) Elaborate the Anatomy of a JSP Page. [3]
- i) Differentiate between undefined and not defined in JavaScript. [2]
- j) Explain this keyword in JavaScript. [3]

PART - B

(50 Marks)

- 2.a) Discuss the casting of data types in PHP.
 - b) Write a PHP script to retrieve the data from oracle database. [5+5]
- OR**
- 3.a) List the statements that are used to connect PHP with MySQL.
 - b) Write an example PHP script illustrating how to retrieve and display records from database. [5+5]
4. What is frame? How to divide the web page into frames? Give an example. [10]
- OR**
- 5.a) Write the basic concepts of HTML in detail with examples.
 - b) Give the differences between HTML and XML. [5+5]
6. Draw and explain the life cycle of a servlet. [10]
- OR**
7. Explain how parameters are passed and retrieved in CGI programs. [10]

QA QA QA QA QA QA QA G

- 8.a) Demonstrate session tracking in JSP.
- b) Discuss beans in JSP.

[5+5]

QA QA QA QA **OR** QA QA QA QA G

9. Explain about the components of JSP.

[10]

- 10.a) Discuss about form validation concept in JavaScript. Explain with an example program.
- b) Write a short note on Event handlers in JavaScript.

[5+5]

OR

11. Explain the Document Object Model.

[10]

QA QA QA QA QA QA QA G

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QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G