

R18

Code No: 155DN

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, March - 2024

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) What is Associative Array in PHP. Give one example. [2]
- b) Describe file handling method fopen() and file opening modes. [3]
- c) List various types of data types in XML schema. [2]
- d) Write the differences between HTML and XHTML. [3]
- e) What is a ResultSet in JDBC? [2]
- f) Describe Servlet Life cycle methods. [3]
- g) What is JSP Action tag? What is need of it? [2]
- h) What is a JavaBean? Write its properties. [3]
- i) What are the features of JavaScript? [2]
- j) What is a Form validation? Explain briefly. [3]

PART - B

(50 Marks)

- 2.a) Explain various loops in PHP with an example.
- b) Write a PHP program to find a given number is EVEN or ODD. [5+5]

OR

- 3.a) Write about Call by Value and Call by Reference parameter passing techniques in PHP.
- b) Write a PHP program using recursion to print Fibonacci series. [5+5]

- 4.a) Explain various Cascading Style Sheets in detail.
- b) What is a Form? Why is it needed? Explain <form> and <input> elements. [5+5]

OR

- 5.a) What is an XML DOM? Explain with an example.
- b) Write the features of XML. [5+5]

6. What is a Session? Explain various Session Tracking Techniques and how do they implement in Java. [10]

OR

- 7.a) What are the steps that are required to create a new database using JDBC application?
- b) What are Statement and Prepared Statements in JDBC? Explain. [5+5]

QA QA QA QA QA QA QA G

- 8.a) Discuss about JSP page directive and its attributes.
- b) Write about JSP Expression tag. Write JSP code that prints current time using it. [5+5]

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

- 9. Explain JSP implicit objects in detail. [10]

- 10.a) Explain JavaScript Loops. Write a JavaScript code to find given number s perfect square or not.
- b) What is a Scope of a variable? Explain Local and Global Variables and their scopes. [5+5]

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

- 11.a) Write the syntax of declaring function in JavaScript. Write a JavaScript code to display the Power of a given value.
- b) Write about Event Handlers in JavaScript. [6+4]

QA QA QA QA **---ooOoo---** QA QA QA QA G

QA QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA QA G