

Code No: 156FV

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B. Tech III Year II Semester Examinations, March - 2024****WEB TECHNOLOGIES****(Computer Science and Engineering - Networks)****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 are the features of PHP? [2]
- b) Explain various data types in PHP. [3]
- c) Explain the need of CSS. [2]
- d) What is a XML schema? [3]
- e) What is JDBC? [2]
- f) Explain Common Gateway Interface (CGI). [3]
- g) What is a JSP page? [2]
- h) How cookies are used for session tracking in JSP? [3]
- i) What is client-side scripting? [2]
- j) Explain the features of Java Script. [3]

PART – B**(50 Marks)**

- 2.a) Explain control structures and functions in PHP.
- b) Write steps to join web form with database in PHP. [5+5]

OR

3. Explain the file operations like opening, closing, reading, writing on text in PHP with examples. [10]

- 4.a) Explain the purpose of cascading style sheets.
- b) Design and create the page(s) for accepting the values of name and marks in a table, then display them in the descending order of the marks. [5+5]

OR

- 5.a) Create a XML file to describe student database with details like Student ID, Name, Previous Degree, Average Percentage, Address.
- b) Explain the DOM parser in java. [5+5]

- 6.a) Explain the life cycle of a servlet.
- b) Describe Servlet API. [5+5]

OR

- 7.a) Write short notes on JDBC connectivity.
- b) Explain how HTTP requests and responses are handled. [5+5]

8. Describe the anatomy of a JSP page. [10]

OR

9.a) What are implicit objects available to JSP page? Explain.

b) Explain how Beans are used in JSP pages? [5+5]

10.a) Discuss the object oriented features supported by Java Script.

b) Write a Java script to generate all the prime numbers up to a given limit. [5+5]

OR

11.a) Explain event handling in Java Script.

b) Explain form validation in Java Script. [5+5]

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paper March-2024