

Code No: 155DM

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B. Tech III Year I Semester Examinations, August/September - 2024****WEB PROGRAMMING****(Common to IT, CSIT)****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) List JavaScript Window Object Methods. [2]
- b) Describe about internal CSS and external CSS. [3]
- c) Define polymorphism. [2]
- d) Give an example method overloading using Java. [3]
- e) Summarize the advantages of Java networking. [2]
- f) Describe JDBC with its architecture. [3]
- g) How sessions are handled in servlets? [2]
- h) Illustrate the use of frames in layout management. [3]
- i) List the elements of WSDL. [2]
- j) Illustrate the encoding of array in SOAP. [3]

PART – B**(50 Marks)**

- 2.a) Discuss about JavaScript string methods with examples.
 - b) Describe Browser Object Model in detail. [5+5]
- OR**
- 3.a) Explain about various forms in HTML. Illustrate with an example.
 - b) Discuss about HTML 5 Canvas. [5+5]
- 4.a) What are control statements in Java? Explain with examples.
 - b) How to handle exceptions in Java? Explain. [5+5]
- OR**
- 5.a) What are various types of Inheritance? Explain with Java programs.
 - b) Illustrate packages and interfaces in Java with examples. [5+5]
- 6.a) Write code to implement a telephone directory application where the Administrator on entering his appropriate user id and password (requires validation of the form) should be able to add, delete or modify the records in the database use JavaScript and JDBC.
 - b) Discuss in detail about the URL class. [5+5]
- OR**
- 7.a) Write a program and explain the UDP sockets with neat sketch.
 - b) Explain in detail about working with rowsets. [5+5]

8.a) Write a code for creating cookies with name of person and secret code at the server, after getting these details from client using HTML form. How these details at the server side using Http servlet are displayed?

b) Write a JavaServlet program to implement Cookies using get_cookies(), get_name() and get_value() methods. [5+5]

OR

9.a) Write the advantage of JSP over Servlets.

b) In an Applet, create a frame with two text fields and three buttons (Cut, Copy and Paste). Data entered in the first text field should respond, according to the buttons clicked. [5+5]

10. Summarize the role of XML schema in building web services in detail. [10]

OR

11. Create XSLT code to display employee details in a table form which is stored in XML. [10]

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Question Paper Aug-2024