

Code No: 155DM**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, January/February - 2023****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) Define a function. List their advantages and disadvantages. [2]
- b) Why we need scripting languages? Explain in brief. [3]
- c) What is a string? In what way it differs from character. [2]
- d) What is a variable? List the rules to define it. [3]
- e) What is the role of Connection class in JDBC? [2]
- f) What criteria should be followed to for implicit statement caching? [3]
- g) Write short notes on the role of events in web programming. [2]
- h) Distinguish between applet and application programming. [3]
- i) What is document prolog? Why we need them? [2]
- j) Give brief description on the role of XSL in web programming. [3]

PART – B**(50 Marks)**

- 2.a) What are literals? Why we need them? Explain its role in programming.
 - b) Explain the role of forms in web programming. [5+5]
- OR**
3. What is a frame? With the help of example explain the <frameset> Tag Attributes the <frame> Tag Attributes. [10]
- 4.a) What is an array? List their advantages. How can we initialize one dimensional arrays? Explain with example.
 - b) Write a java program to multiply two matrices. [5+5]
- OR**
5. With the help of syntax, flow chart and example explain any two iterative statements supported by java language. [10]
- 6.a) Write and explain the importance of UDP sockets.
 - b) Explain the role on RMI in programming. [5+5]
- OR**
- 7.a) How can we establish the connection to a database? Explain.
 - b) Give brief description on handling the database queries. [5+5]

- 8.a) With the help of a neat sketch, explain the life cycle of an applet. [5+5]
b) How can we pass the parameters to an applet? Explain. [5+5]
- OR**
9. Write and explain the different types of layout managers supported by java. [10]
10. Write the structure of XML document and explain briefly about it. [10]
- OR**
11. Explain the creation of a java web service Client in detail with examples. [10]

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