

Code No: 155DM

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, July/August - 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 an event. When it occurs? Give example. [2]
- b) What is a literal? Why do we need them? Give an example. [3]
- c) Distinguish between iterative and conditional statements. [2]
- d) Define inheritance. In what way it differs from class. [3]
- e) List the steps to be followed to establish the JDBC connection. [2]
- f) Distinguish between implicit and explicit statement caching. [3]
- g) How can we add an audio to an applet? [2]
- h) In what way an applet program differs from application program? Explain briefly. [3]
- i) Give brief description on the role of document prolog. [2]
- j) What is the importance of XSL in web programming? [3]

**PART – B****(50 Marks)**

- 2.a) Distinguish between client side and server-side programming.
- b) What is an expression? What rules to be followed to evaluate it? Explain with example. [5+5]

**OR**

- 3.a) Is HTML5 and CSS3 are different or same? Justify your answer.
  - b) List the advantages and disadvantages of using built-in functions. [5+5]
- 4.a) Distinguish between packages and interfaces.
  - b) How can we implement multiple inheritance in java? Explain with example program. [5+5]

**OR**

5. In how many ways a multi-threaded programming can be implemented in Java? Explain each with an example program. [10]

- 6.a) Explain in detail about the explicit statement caching.
- b) How can we process ResultSet objects? Explain. [5+5]

**OR**

7. Write and explain the different types of InetAddress with example. [10]

- 8.a) Write and explain in detail about session tracking.  
b) With the help of a neat sketch, explain the lifecycle of a servlet. [5+5]

**OR**

- 9.a) Give brief description about the HTTP request and response.  
b) Write a short note on event handling. [5+5]

10. With a simple example, illustrate the steps to create a java web service. [10]

**OR**

11. Write short notes on SOAP, WSDL, UDDI and XML schema. [10]

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Use of paper July/Aug-2023