

R18

Code No: 155DM

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, January/February - 2023

WEB PROGRAMMING

(Common to CESE, CSE(AIML), CSE(DS))

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 Heading Tags in HTML with an example. [2]
- b) What is the scope of the variables in JavaScript? [3]
- c) List string manipulation functions of Java String class. [2]
- d) What is a package? How to define it and access it? [3]
- e) Define TCP sockets. [2]
- f) Discuss about InetAddress class. [3]
- g) Define event handling. [2]
- h) Write short note on cookies. [3]
- i) Define UDDI. [2]
- j) Write down the applications of XML. [3]

PART – B**(50 Marks)**

- 2.a) Explain the structure of the HTML webpage with an example.
 - b) Explain various operators and data types available in java script with examples. [5+5]
- OR**
- 3.a) 'Javascript is referred to as Object based programming language'. Justify with an example.
 - b) Explain how basic tables and nested tables are created using HTML. [5+5]
- 4.a) Does Java support multi way selection statement? Justify your answer.
 - b) Can inheritance be applied between interfaces? Justify your answer. [5+5]
- OR**
5. What is an exception? How are exceptions handled in Java programming? Explain with suitable program. [10]
- 6.a) Write a JDBC program to update the amount balance in an account after every withdrawal. Assume the necessary database table.
 - b) Discuss about parameter passing in RMI, with examples. [5+5]
- OR**
7. Explain the following methods bind(), rebind(), createSubcontext(), getAttributes(), modifyAttributes() methods with syntax. [10]

8.a) What is the role of servlet in web application? What are the differences between HttpServlet and GenericServlet?

b) Present and explain the life cycle of a servlet. [5+5]

OR

9. What is a Layout manager? Discuss different types of layout managers used in JAVA in brief. [10]

10.a) How is XML defined? Write down the XML syntax and structure rules. What is DTD? Discuss its applications.

b) Discuss the role of WSDL web service in AJAX. [5+5]

OR

11. Design an XML schema for hospital information management. [10]

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Used papers 2023