

Code No: 155DN

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B. Tech III Year I Semester Examinations, September - 2021****WEB TECHNOLOGIES****(Computer Science and Engineering)****Time: 3 hours****Max. Marks: 75****Answer any five questions****All questions carry equal marks**

- 1.a) Discuss about various functions used in PHP with suitable coding examples.
b) Write a PHP script for searching for a web page. [8+7]
- 2.a) Summarize about various types of PHP interpreters.
b) Write a PHP script to add a user to Login table in MySql database. [7+8]
- 3.a) What is XML Schema? List the advantages of it over DTD.
b) Describe XML schema for designing a web page for product display. [7+8]
- 4.a) What is XML? List characteristic features of XML.
b) What are XML namespaces? Describe the XML namespace for any webpage. [6+9]
- 5.a) Explain the life cycle of servlet? Write a simple servlet program to read two parameters from form data.
b) Distinguish Generic servlet from HttpServlet. [8+7]
- 6.a) Write a servlet program to retrieve data from the Employee table which is existing in MySql database.
b) Explain the advantages of servlets over CGI scripts. [8+7]
- 7.a) What are the implicit objects available in JSP? List the advantages of JSP over Servlets?
b) Explain about page directive with an example JSP code. [8+7]
- 8.a) Explain about Document Object Model with suitable example.
b) Write a Java Script function to check whether given number is prime or not. [8+7]

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, March - 2021

WEB TECHNOLOGIES

(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) Explain different types of arrays used in PHP with examples.
- b) Write a PHP script to read and write into a file. [7+8]
- 2.a) What is XML DOM? How DOM parses the XML file?
- b) Explain different data types in XML schema. [8+7]
- 3.a) Demonstrate the use of cookies in servlets with an example.
- b) Describe how an HTTP Servlet handles its client requests. [7+8]
- 4.a) What are JSP Code snippets? Develop a JSP program to display current date and time.
- b) Discuss various implicit objects in JSP. [7+8]
- 5.a) Write a JavaScript to display whether given number is a prime or not.
- b) How do you create a function using function overloading? [7+8]
- 6.a) Differentiate between for and foreach statements in PHP with examples.
- b) Discuss the use of frames in creation of HTML document. [7+8]
- 7.a) Explain with suitable examples, the difference between get and post in Servlets.
- b) Describe the procedure for validating XML documents against a schema. [7+8]
- 8.a) How to create a Date object using JavaScript?
- b) What is CSS? Describe various methods to include CSS in webpage. [7+8]

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B. Tech III Year I Semester Examinations, February - 2022****WEB TECHNOLOGIES****(Computer Science and Engineering)****Time: 3 hours****Max. Marks: 75****Answer any five questions
All questions carry equal marks**

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- 1.a) List and explain the control structures used in PHP.
b) List and explain the operators used in PHP. [7+8]
- 2.a) Explain about the file operations in PHP.
b) How to list the directories in PHP? [7+8]
- 3.a) Explain XML schema languages.
b) Write a short note on DOM. [7+8]
- 4.a) Explain in detail how XML data is parsed with an example.
b) What is a 'XML Parser'? [7+8]
- 5.a) What are the advantages of Servlets over CGI.
b) What is a 'servlet'? Explain the life cycle of a servlet with an example servlet program. [7+8]
- 6.a) Demonstrate the use of cookies in servlets with an example.
b) Mention two web servers that support CGI programming. [7+8]
- 7.a) Describe the anatomy of a JSP page.
b) Write a in brief about JSP Declarations. [7+8]
- 8.a) What is JavaScript? What are the features of JavaScript?
b) Write a JavaScript to display whether given number is a prime or not. [7+8]

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, August - 2022

WEB TECHNOLOGIES

(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 75

Answer any five questions

All questions carry equal marks

- 1.a) List and explain the advantages and disadvantages of MySQL and PHP.
- b) Explain the steps involved in connecting the MYSQL database from PHP. Write an example PHP script illustrating how to retrieve and display records from the database. [7+8]
2. Explain the file handling in PHP. [15]
- 3.a) Differentiate between DTD and XML scheme with suitable example.
- b) Define XML. List and explain the advantages of XML. [5+10]
4. Explain the DOM and SAX Parsers in java. [15]
- 5.a) Explain the Common Gateway Interface.
- b) Explain the Life cycle of a Servlet. [8+7]
- 6.a) Describe the Handling HTTP Request and Responses.
- b) How can you invoke other web resources such as servlets /JSPs? [8+7]
- 7.a) Write a JSP to demonstrate the usage of the page and include directives.
- b) Explain the JSP Processing. [8+7]
- 8.a) How to insert JavaScript Code while developing a web application? Explain.
- b) Explain this keyword in JavaScript. [8+7]

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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

WEB TECHNOLOGIES

(Common to CSE, CSBS)

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 any two advantages of PHP. [2]
- b) Explain the various types of arrays supported by PHP. [3]
- c) What is XHTML? [2]
- d) Explain the features of XML. [3]
- e) Enumerate the differences between a servlet and an Applet. [2]
- f) Explain the uses of Servlets. [3]
- g) What is the need of JSP page? [2]
- h) Explain the JSP expression using an example. [3]
- i) What is the scope of variables in java Script? [2]
- j) Explain the use of “this” operator in Java Script. [3]

PART – B**(50 Marks)**

- 2.a) With example, explain the different control structures used in PHP.
 - b) Explain the execution of queries in PHP. [5+5]
- OR**
3. In detail, explain the various file handling operations in PHP. [10]
- 4.a) Define Document Type Definition (DTD) in XML. What is difference between internal and External DTD?
 - b) Give an overview of defining basic XML tags. [5+5]
- OR**
- 5.a) Explain the advantages of XML schemas over DTDs.
 - b) Differentiate between DOM and SAX parsers in java. [5+5]
- 6.a) Present an overview of the servlet API.
 - b) Explain with suitable example how servlet handle:
 - i) HTTP get requests
 - ii) HTTP post requests. [5+5]
- OR**
- 7.a) Enumerate the differences between single threaded and multithreaded Servlet method.
 - b) What are sessions? How do you enable and disable sessions using JSP? [5+5]

- 8.a) Explain the anatomy of a JSP page.
b) Write brief note on JSP Declarations. [5+5]

OR

- 9.a) Explain the usage of java beans in a JSP page.
b) Explain how database is accessed using a JSP page. [5+5]

10. Explain the various operators and datatypes available in Java Script. [10]

OR

- 11.a) Explain the event handlers in Java Script.
b) Write a Java Script to check whether the given year (4 digit) is leap year or not. [5+5]

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Used papers 2023