

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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