

**R16**

**Code No: 136EN**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, July - 2023**

**WEB TECHNOLOGIES**

**(Common to CSE, IT)**

**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) What is the use of default parameter in PHP? [2]
- b) Write a PHP code to illustrate returning values. [3]
- c) Define XML. What are the advantages of XML? [2]
- d) Illustrate the XML attributes and values in brief. [3]
- e) State the differences between GET and POST methods. [2]
- f) List out the classes and interfaces in javax.servlet.\* package. [3]
- g) What are JSP Implicit Objects? [2]
- h) Mention the JDBC drivers and explain JDBC-ODBC bridge driver. [3]
- i) List the Java script event handlers. [2]
- j) Explain the features of Java script. [3]

**PART - B**

**(50 Marks)**

- 2.a) Develop a Program to create simple Login and Logout example using sessions in PHP.
- b) Illustrate the use of break and continue in PHP. [5+5]

**OR**

- 3.a) Develop a program to illustrate the parameter passing techniques in PHP.
- b) Explain the use of binary files in PHP. Give an example. [5+5]

- 4.a) Explain different data types in XML schema.
- b) Define SAX. How SAX parses the XML file? Explain. [5+5]

**OR**

- 5.a) Determine the procedure for validating XML documents against a schema.
- b) Explain about various types of XML parsers. [5+5]

- 6.a) Illustrate the handling of http request and responses with an example.
- b) Examine the life cycle of a Java servlet and write a simple servlet that reads three parameters from the form data. [5+5]

**OR**

- 7.a) Explain Session tracking in Servlets with a suitable example.
- b) Compare server side programming and client side programming. Give an example. [5+5]

QA QA QA QA QA QA QA G

- 8.a) Illustrate with example, database connection through JSP.
- b) Develop a JSP program to display current date and time and explain java code snippets. [5+5]

QA QA QA **OR** QA QA QA QA G

- 9.a) How to create and make use of beans in JSP pages? Demonstrate with example.
- b) Demonstrate a program to create and read the cookie for the given cookie name as “rollno” and its value as “123”. [5+5]

- 10.a) Differentiate between Client side Java Script and Server side Java Script.
- b) Demonstrate a JavaScript to display whether given number is a prime or not. [5+5]

QA QA QA **OR** QA QA QA QA G

- 11.a) Implement a Java script to sort the given elements in ascending order.
- b) Explain the two ways of calling a function with examples. [5+5]

QA QA QA **---ooOoo---** QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G

QA QA QA QA QA QA QA G