

**Code No: 156FV****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, July - 2023****WEB TECHNOLOGIES  
(Common to ECM, CSE(N))****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 out the predefined classes in PHP. [2]
- b) How can we get second of the current time using date function? [3]
- c) What is the purpose of XML schema? [2]
- d) Distinguish between SAX AND DOM Parsers. [3]
- e) List out various phases of Servlet life cycle. [2]
- f) What are the different types of JDBC drivers? [3]
- g) What are the various implicit objects used in jsp? [2]
- h) Explain about Scriptlet tag with example. [3]
- i) How to embed JavaScript code in an HTML document? [2]
- j) Explain about String object in JavaScript. [3]

**PART – B****(50 Marks)**

- 2.a) Explain about Arrays in PHP with examples.
- b) How to retrieve values from one database server and them in other database server using PHP? Give example. [5+5]

**OR**

- 3.a) List and Explain the string functions in PHP.
- b) What are the differences between Get and post methods in form submitting. Give the case where we can use get and we can use post methods? [5+5]

- 4.a) Discus about the various terms related to Document Type Definition.
- b) List and explain the important features of XML which it more suitable than HTML for creating web related services. [5+5]

**OR**

- 5.a) Define Attributes in XML .Also different types of attributes.
- b) How do you set default and fixed values for simple Elements? [5+5]

- 6.a) What are the advantages of Servlets over CGI? Discuss.  
b) What is session tracking? Explain different mechanisms of session tracking. [5+5]

**OR**

- 7.a) Define a session tracker that tracks the number of accesses last access data of a particular web page.  
b) How HTTP POST request is processed using Servlets? Explain. [5+5]

- 8.a) Explain the mechanism to include resources dynamically and to forward request to other JSPs?  
b) Write about the JSP Directive Elements and explain each one of them in detail. [5+5]

**OR**

- 9.a) List and explain various types of JSP Implicit Objects.  
b) Explain about the usage of JavaBean Component in JSP. [5+5]

- 10.a) Explain the need for scripting languages in web programming.  
b) Build a java script to validate a form consisting of user name. Also navigate to another Webpages after navigation. [5+5]

**OR**

- 11.a) Explain the features of Java Script. Also explain any three objects of JavaScript.  
b) Build a JavaScript which accepts the text in lower case and displays the text in uppercase. [5+5]

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