

**Code No: 126EP****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B Tech III Year II Semester Examinations, October/November - 2016****WEB TECHNOLOGIES****(Common to CSE, IT)****Time: 3 hours****Max. Marks: 75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A****(25 Marks)**

- 1.a) How to create a text file in PHP? [2]
- b) What is the use of \$ symbol in PHP? Explain it with an example. [3]
- c) Explain about the purpose of DTD. [2]
- d) Derive naming rules in XML. [3]
- e) What are the advantages of servlets over CGI? [2]
- f) Can we use java as the CGI language? If yes, How? [3]
- g) Is it possible for one JSP to extend another java class? If yes how? [2]
- h) Define JSP. Mention its use. [3]
- i) How to insert JavaScript Code in PHP? [2]
- j) Explain this keyword in JavaScript. [3]

**PART - B****(50 Marks)**

- 2.a) Define operator? Explain different operators used in PHP.
  - b) Write a program to explain about the concept of arrays in PHP. [5+5]
- OR**
- 3.a) Define Session and Cookies. Explain with an example program.
  - b) List and explain the control structures used in PHP. [5+5]
4. Briefly explain the SAX Parsers in java. [10]
- OR**
- 5.a) Explain XML schema languages.
  - b) Write a short note on DOM. [5+5]
- 6.a) What are the two objects that a servlet receives when it accepts a call from client?
  - b) How does server side programming differ from client side programming? [5+5]
- OR**
- 7.a) Differentiate between the single threaded and multi threaded servlet method.
  - b) Mention two web servers that support CGI programming. [5+5]

8. What is the key difference between Http servlet Response. send Redriect() and <jsp:forward>? Explain. [10]

**OR**

9. How to use Cookies and session for session tracking? Explain with an example program. [10]

10.a) With an example program, explain form validation concept in JavaScript.

b) Write a short note on Event handlers in JavaScript. [5+5]

**OR**

11. Define client side programming. Explain briefly about AJAX. [10]

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