

R13**Code No: 126EP****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, April - 2018****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 do you execute a PHP script from the command line? [2]
- b) Is multiple inheritance supported in PHP? Explain. [3]
- c) Differentiate XHTML and XML. [2]
- d) Define XML. What are the advantages of XML? [3]
- e) Name two CGI environmental variables. [2]
- f) Mention some uses of servlet. [3]
- g) How to deal with syntax errors in JSP page? [2]
- h) List the JSP implicit objects. [3]
- i) Give a note on this keyword in JavaScript. [2]
- j) What is the difference between undefined and not defined in JavaScript? [3]

PART - B**(50 Marks)**

- 2.a) Write a PHP script to retrieve the data from oracle database.
 - b) With an example explain the casting of data types in PHP. [5+5]
- OR**
- 3.a) How strings are declared in PHP? Explain string operators.
 - b) Explain the process of Reading data from web form controls like text-boxes, radio buttons, and lists. [5+5]
4. Define Document type definition (DTD) in XML. What is difference between internal and External DTD. [10]
- OR**
- 5.a) How XML transformations will form and write the Schemas of XML? Explain.
 - b) What is an XML DOM? How DOM parses the XML file. [5+5]
6. With the help of neat diagram, explain the servlet architecture. [10]
- OR**
7. List and explain the web servers that support CGI programming. [10]

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8. Discuss about various categories of JSP tags. Explain each of them with syntax and suitable examples. [10]

OR

- 9.a) Write a JSP to demonstrate the usage of page and include directives.
b) Give a brief note on Anatomy of a JSP Page. [5+5]

- 10.a) Explain the Simple AJAX application.

- b) Discuss the event handlers in JavaScript. [5+5]

OR

11. Describe about form validation concept in JavaScript. Explain with an example program. [10]

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