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 transformation 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]

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]

---oo0oo---