R16

Code No: 136EN

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year II Semester Examinations, May - 2019
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 reverse a string in PHP without using any built in functions?	[2]
b)	What are the storage engines used by MySQL?	[3]
c)	What is Document Object Model?	[2]
d)	How does one link external style sheet in a XHTML document?	[3]
e)	Write the purpose of cookies.	[2]
f)	What is session tracking? Explain.	[3]
g)	List down the advantages of Java beans.	[2]
h)	How JSP page is compiled?	[3]
i)	What is the scope of variables in java script?	[2]
j)	How the keyword 'new' is used to create objects in java script?	[3]

PART - B

(50 Marks)

2.a)	Discuss about various functions used in PHP with examples.	
b)	Write PHP code to create a login page for a web application.	[5+5]

OR

3.a)	Discuss about various types of PHP interpreters.	
b)	Write a program in PHP to find out length of the string "This is my first program".	[5+5]

4.a)	Explain about XML core tags and flow control tags.	
b)	Show how an XML schema can be created.	[5+5]

OR

5.a)	Explain the advantages of XML schemas over DTDs.	
b)	Differentiate between DOM and SAX parsers in java.	[5+5]

6.a)	What is CGI? List the CGI environmental variables.	
b)	Explain the life cycle of a Servlet with a neat sketch.	[5+5]

OR

7.a)	Discuss the process of deploying a web application.	
b)	How to handle http request and responses? Explain.	[5+5]

8.a) Write about the components of JSP and explain.
  b) How to connect database connection through JSP? Illustrate with example.   [5+5]

OR

9.a) Write in brief about JSP tag extensions and libraries.
  b) How to create and make use of beans in JSP pages? Demonstrate with example.   [5+5]

10.a) Explain about objects, methods and events in java scripts.
  b) Write a java script to change text color of HTML elements.   [5+5]

OR

11.a) What is the functioning of the java script keyword 'this' and 'dot' operator? Explain.
  b) Write a java script to validate a form consisting of a hall ticket number as username and mobile number as password. Also navigate to another web page after validation.   [5+5]

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