Code No: 126EP

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B.Tech III Year II Semester Examinations, May - 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) Give any two advantages of PHP.   [2]
  b) How can you create array in PHP? Explain.   [3]
  c) Discuss the common tags of XHTML.   [2]
  d) How can you declare attributes in XML? Give an example.   [3]
  e) What does Servlet config interface do?   [2]
  f) When a Servlet accepts a call from a client, it receives two objects. What are they? [3]
  g) What is Session tracking? Explain.   [2]
  h) What is the purpose of using Cookies? How they are created?   [3]
  i) What is the difference between GET and POST method in Java Script?   [2]
  j) How does one access cookie in a java script?   [3]

PART - B (50 Marks)

2.a) Discuss about various functions used in PHP with examples.
  b) Write a PHP script to add and remove users from a MySQL table.   [5+5]

OR

3.a) Describe about various types of PHP interpreters.
  b) Write a PHP script for searching a website URL for a keyword or sentence.   [5+5]

4.a) Explain document structure description with example code in XML.
  b) What are the XML namespaces and how are they declared?   [5+5]

OR

5.a) Explain about various types of XML parsers.
  b) How are XHTML elements and attributes represented in the java script binding to
      DOM? Explain.   [5+5]

6.a) Write note on Common Gateway Interface (CGI).
  b) What potential advantages do servelets have over CGI programs? Explain.   [5+5]

OR

7.a) Describe the life cycle of a java servlet and write a simple servlet that reads three
      parameters from the form data.
  b) Explain the differences between Generic Servlet and HttpServlet.   [5+5]

8.a) Discuss about the features of JSP pages.
  b) Write in brief about JSP tag extensions and libraries. [5+5]

OR

9.a) How does a Servlet communicates with a JSP page? Explain.
  b) What is Bean? Discuss how to create beans in JSP. [5+5]

10.a) Explain various operators and data types available in java script.
  b) Explain Document Object Model with suitable examples and code. [5+5]

OR

11.a) Explain about object, methods and events in Java Scripts.
  b) Write short notes on simple Ajax application. [5+5]

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