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**Question Paper Code : 80296**

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2016.

Fifth Semester

Computer Science and Engineering

CS 6501 — INTERNET PROGRAMMING

(Regulations 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Give the different types of typecasting in Java with example.
2. Mention the way in which the current state of a thread can be obtained.
3. Define rich internet application.
4. State the difference between internet and intranet.
5. List any four methods of the Date object.
6. Explain the servlet interface and its methods.
7. What is PHP?
8. Define XML namespace.
9. State the advantages of AJAX.
10. Define WSDL.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain the types of constructor with examples. (8)
- (ii) Explain multilevel inheritance with an example. (8)

Or

- (b) (i) Explain exception handling in Java with a program. (8)
- (ii) Explain the use of BufferedReader object to read characters from the console using a program. (8)

12. (a) Explain about internet technologies in detail. (16)

Or

(b) (i) Write a XHTML program to display data in a table. (8)

(ii) Explain the three ways of inserting a CSS to a document with examples. (8)

13. (a) (i) Write a DHTML program to handle the user click event. (8)

(ii) Explain the use of cookies for tracking requests with a program. (8)

Or

(b) Explain the JSP scripting components in detail with examples. (16)

14. (a) (i) Explain the string comparison capability of PHP using regular expressions with an example. (10)

(ii) Explain the steps in connecting a PHP code to a database. (6)

Or

(b) Explain in detail the XML schema, built in and user defined data type in detail. (16)

15. (a) (i) Explain the Ajax Client Server architecture in detail with a diagram. (8)

(ii) Explain the XMLHttpRequest Methods in detail. (8)

Or

(b) (i) Explain in detail the steps in the creation, publishing and testing of a web service in detail. (8)

(ii) Define SOAP and explain the building blocks of a SOAP message in detail. (8)