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Question Paper Code : 20367

B.E. B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2018.

Fifth Semester

Computer Science and Engineering

CS 6501 — INTERNET PROGRAMMING

(Regulations 2013)

(Also Common to PTCS 6501 — Internet Programming for B.E. Part-Time –
Fourth Semester – Computer Science and Engineering – Regulations 2014)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List the properties of Threads.
2. Define transient and volatile Modifiers.
3. Differentiate between standalone and container tag.
4. Give an example for inline style sheet.
5. Mention the various Java Script Object models.
6. Name the differences between servlets and JSP.
7. List the important characteristics of PHP.
8. Explain DTD for XML Schemas.
9. Describe AJAX Control Extender Toolkit.
10. State the significance of a WSDL document.

PART B — (5 × 13 = 65 marks)

11. (a) (i) Write a Java Program to reverse a number. (6)
(ii) Write a Java Program to find the second smallest in the array of size 10. (7)

Or

- (b) Discuss the concept of synchronization in thread and develop a JAVA code for reader/writer problem. (13)

12. (a) (i) Discuss the structure of the HTTP request message. (7)
(ii) Explain about the XHTML DTD with an Example. (6)

Or

- (b) (i) Explain the significance of XHTML with the help of a real time application. Write necessary code snippets. (7)
(ii) Discuss the functionalities of Webserver and Webclient in detail. (6)
13. (a) (i) Explain any two validation functions in java script. (4)
(ii) Write a JavaScript Program to print Prime Numbers from 1 to 100. (9)

Or

- (b) Explain in detail about Servlet Database Connectivity with an example of Student database. (13)
14. (a) (i) Design simple calculator using PHP. (6)
(ii) Explain about the control statements in PHP with example. (7)

Or

- (b) Explain about DOM with the XML data processing. (13)
15. (a) (i) Explain the concept of JSON with an example. (6)
(ii) Describe SOAP, UDDI and WSDL in detail. (7)

Or

- (b) Explain about the object that helps AJAX reload parts of a web page without reloading the whole page. (13)

PART C — (1 × 15 = 15 marks)

16. (a) Design HTML forms by embedding JSP code for submission of a resume to a job portal website with appropriate database connectivity. (15)

Or

- (b) Design a PHP application for College Management System with appropriate built-in functions and database. (15)