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Question Paper Code : 52866

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2019.

Fifth Semester

Computer Science and Engineering

CS 6501 — INTERNET PROGRAMMING

(Regulations 2013)

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

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define objects and classes in java.

2. What is the need for threads?

3. Mention the difference between the Internet and Intranet.

4. Define Cascading Style Sheet.

5. Write the applications of servlets.

6. What is JSP?

7. List the rules for creating variables in PHP.

8. What is XSL?

9. List some examples of web services.

10. What is meant by call back function?

PART B — (5 × 13 = 65 marks)

11. (a) Explain the concept of inner class and its types with example for each. (13)

Or

(b) (i) Describe in detail about applet life cycle and associated methods of an applet. (10)

(ii) Write a java program to draw smiley using applet. (3)

12. (a) Describe in detail the RIA architecture. Give the merits and demerits also. (13)

Or

(b) (i) Explain the working principle of web server with a neat sketch. (8)

(ii) Summarize the difference between HTML and XHTML. (5)

13. (a) (i) Write a Java script to find the prime number between 1 and 100. (7)

(ii) Discuss the advantages and disadvantages of Servlets. (6)

Or

(b) (i) Draw the Servlet architecture and explain its working. (8)

(ii) Explain cookies with suitable examples. (5)

14. (a) Explain the types of DTD in XML with an example. (13)

Or

(b) Discuss the following in detail :

(i) RSS (7)

(ii) ATOM. (6)

15. (a) (i) Explain the XML–HttpRequest Object methods. (8)

(ii) List the pros and cons of AJAX. (5)

Or

(b) (i) Describe the major elements of a WSDL document. (7)

(ii) Write in brief about the SOAP. (6)

PART C — (1 × 15 = 15 marks)

16. (a) (i) Write a java code to simulate the way a stack mechanisms works with exception handling, throwing and dealing with exceptions such as stack is full (if you want to add more elements into the stack) or Stack is empty (you want to pop elements from the stack). (10)

(ii) Why multiple inheritance is not supported in java? Explain. (5)

Or

(b) Develop JSP program to display the grade of a student by accepting the marks of five subjects. (15)