Question Paper Code : 91401

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2019
Fifth Semester
Computer Science and Engineering
CS6501 – INTERNET PROGRAMMING
(Regulations 2013)
(Common to PTCS6501 – 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. Give the syntax to create and initialize an array in Java. Write a Java program to find an element position in integer array.

2. State the ways in which string comparison can be implemented in Java.

3. What is meant by a web server ? Give two examples.

4. Mention any four advantages of CSS.

5. List any four methods of the Java Script Date object.

6. State four advantages of JSP over Java Servlets.

7. Why PHP is called a loosely typed language ?

8. Define XML namespace.

9. What is AJAX call back function ?

10. State the types of webservices.

PART – B   (5×13=65 Marks)

11. a) i) Explain about exception handling in java with an example.   (6)
       ii) Explain about Java inner class with an example.   (7)
                                    (OR)
    b) i) Explain about multithreading in Java.   (7)
       ii) List the four methods provided by the String Class for replacing found characters or substrings.   (6)

12. a) i) Define Rich Internet Application. With a neat diagram show the components in the implementation of a rich internet application. **(7)**

     ii) State the uses of HTML. Write an HTML code to create a table. **(6)**

(OR)

  b) i) Mention the rules to be followed in writing a XHTML code. **(6)**

     ii) Give an example of a CSS style rule. Write code to illustrate the use of embedded style sheet. **(7)**

13. a) i) Explain the role of document object model in enabling the creation of dynamic web pages using Javascript. **(7)**

     ii) Write a java script to handle mouse events. **(6)**

(OR)

  b) i) Explain the life cycle of a JSP page with a neat diagram. **(7)**

     ii) List the types of JSTL tags and explain the JSTL SQL tags in detail. **(6)**

14. a) i) Write a PHP code to create an array and sort it using built in functions. **(5)**

     ii) Write a PHP code to read from a cookie and display its contents. **(8)**

(OR)

  b) i) Explain in detail the XML event oriented parsing technique. **(6)**

     ii) Explain the process of XSL transformation and list the advantages of XSLT. **(7)**

15. a) i) List the steps involved in the AJAX operation and explain them in detail. **(7)**

     ii) Explain the XMLHttpRequest object and its methods in detail. **(6)**

(OR)

  b) State the components of a web service and explain the steps in the creation of a java web service in detail. **(13)**

PART – C   (1×15=15 Marks)

16. a) i) Write code to create a html page to get numeric input and e-mail ID from user. Validate the input using JSP code. **(8)**

     ii) Explain implicit objects of JSP in detail. **(7)**

(OR)

  b) Write a program to connect a servlet application with a database table and display the contents of the table. Provide functionalities of adding, deleting and searching the table with appropriate code segments. **(15)**