2012
B.Sc. (Hons.) Bio-Informatics
Fifth Semester
BIN-5001: Internet Programming

Time allowed: 3 Hours   Max. Marks: 60

NOTE*: Attempt _five_ questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.*

x-x-x

1. Attempt the following:-
   a. Define Applet.
   b. Why we use XHTML?
   c. What is JSP?
   d. What is meant by call back function.
   e. Explain important features of Django framework.
   f. List the rules for creating variables in PHP.   (6X2 = 12)

UNIT – 1

2. (a) Create a HTML form that accepts first name, last name, department and designation from user. Create a PHP code that stores this information in a mysql database named employee with an existing table *emp_*details having appropriate schema and acknowledges the user through appropriate message about success or failure during data insertion. Assume suitable user name and password to access database.   (8)
   (b) Explain <audio>, <video>, and <canvas> elements in HTML 5.   (4)
3. (a) What is the difference between node and host? Why are the protocols layered?   (5)
   (b) With a neat diagram, explain the AJAX client-server architecture   (5)
   (c) What are the modes of sending files using FTP? Explain in detail.   (2)
4. (a) Explain "Window" object of JavaScript DOM. Write JavaScript code to change background color of the web page automatically after every five seconds.   (6)
   (b) Discuss in detail the RIA architecture. Give the merits and demerits also.   (6)

UNIT – 2

5. (a) What is the purpose of digital certificates?   (2)
   (b) Explain the various control structures used in Java.   (5)
   (c) Explain with proper syntax and example how to use different types of CSS selectors. (5)
6. (a) Write the difference between multithreading and multitasking. What are the ways of creating a thread in Java? Write a Java program to display the different combinations of 20-20 cricket teams with team member names using multi-threading.   (6)
   (b) List the various classes available in java.util package. Write a Java Frame based program as a Birthday Wisher to get name and birth date of a person using Calendar control.?   (6)
7. (a) Why multiple inheritance is not supported in java? Take one example and elaborate. (5)
   (b)Write a java program to draw smiley using applet.   (4)
   (c) Differentiate GET and POST method.   (3)

x-x-x