Jan 2022
B.Tech. (IT) VII SEMESTER
Advanced Client server technology IT-403

Time: 90 Minutes

Max. Marks:25

Instructions:
1. *It is compulsory to answer all the questions (1 marks each) of Part -A in short.*
2. *Answer any three questions from Part -B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART –A

Q1 (a) How is abstraction implemented in Java   (1)

(b) How is java platform independent?   (1)

(c) Explain the following statement   (1)

    Naming.rebind("//localhost/MyServer",test);

(d) Why is marshalling required in RMI?   (1)

(e) Explain Type 1 JDBC Drivers.   (1)

(f) When do we declare any data member STATIC?   (1)

(g) Explain the functioning of ServerSocket Class   (1)

(h) Differentiate between Statement and PreparedStatement   (1)

(i) Differentiate between applets and java programs   (1)

(j) What are Exceptions? How are they different from errors?   (1)

PART –B

Q2   What is the basic principle of RMI architecture? Write an RMI code to compute   (5)
      the factorial of a number

Q3   What are the main steps in java to make JDBC connectivity? Write the   (5)
      corresponding java program code to support your answer

Q4   How does java supports the concept of multiple inheritance? What are   (5)
      interfaces explain with the help of an example?

Q5   Write a program to accept a sentence from the user and print only the first   (5)
      letter of each word of the sentence in capital letters separated by a full stop.
      For Example :
      INPUT SENTENCE : "This is a cat"
      OUTPUT : T.I.A.C.

Q6   Write short notes (any two)   (5)
        a) Servlets
        b) Sockets
        c) Java Beans

****