PURBANCHAL UNIVERSITY
2019

Bachelor in Information Technology (B.I.T.)/Sixth Semester/*Final*

Time: 03:00 hrs.   Full Marks: 80/Pass Marks: 32

BIT376CO: Advance Object-Oriented Programming *(New Course)*

Candidates are required to give their answers in their own words as far as practicable.

Figure in the margin indicate full marks.

Group A

Answer TWO questions.   2×12=24

1. What makes RMI different with socket programming? Write program using RMI technology to send two numbers to the server and the server returning the greatest number between them. 3+9

2. What are JDBC and ODBC? Write a Java program using JDBC to extract name of those students who live in Morang district, assuming that student table has four attributes (ID, name, district, and age). 2+10

3. What is the task of Socket class? Write program using socket program to send the string "hello" to the client. 2+10

Group B

Answer SEVEN questions.   7×8=56

4. Write a program in Java that reads line of text from keyboard and write to file. Also read the content of the same file and display on monitor.

5. Write an object oriented program in Java to find area of circle.

6. What is servlet? Discuss its life cycle. 2+6

7. What is thread? How it is created? Make a thread using runnable interface to display number from I to 20; each number should be displayed in the interval of 2 seconds. 1+2+5

8. What is the difference between error and an exception? How to create custom exceptions? Give an example. 3+5

9. What are the swing components? Create Swing application that receive a number through a JTextFields and display the square of numbers in a JTextField when the SQUARE button is pressed. 2+6

10. What is an applet.? Explain life cycle of an applet. How an image can be loaded in applet? Give example. 2+3+3

11. What is interface? Develop a java code to implement the interface concept for finding the sum and average of given N number. 2+6

※