

PURBANCHAL UNIVERSITY

2021

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 is Swing and AWT? Create Swing application that receive two numbers through a JTextFields and display the multiplication of two numbers in a JTextField when the OK button is pressed and when Exit button is pressed the program will terminate. 3+9
2. What is Distributed Application? Explain the steps to create RMI applications using example. 2+10
3. How socket class can be used in socket program? Write client-server chart programs in Java. 3+9

Group B

Answer SEVEN questions.

7×8=56

4. What is JDBC? Explain different types of JDBC drivers. Write a JDBC Program to display student details from Student table.
5. What is the use of this keyword? How is multiple inheritances achieved in java? Give example
6. How thread is created in Java? Explain the different states of a thread. WAP which will display your name in one thread and your address in another thread in every 500 milliseconds. There should be 10000 iteration. ✓
7. Define polymorphism. Differential between overloading and overriding method with example. ✓
8. What is an applet? How an image can be loaded in applet? Give example.

(2)

9. What is Exception handling? Explain try, catch and finally with an example.
10. Which classes are used to read and write data to file? Write a simple code to write a word to a file.
11. What is a Package? What are the benefits of using packages? Write down the steps in creating a package and using it in a java program with an example.

