

PURBANCHAL UNIVERSITY

2018

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.

$2 \times 12 = 24$

1. What do you mean by polymorphism? How multiple inheritance is obtained in JAVA? Explain with an example. 4+8
2. Differentiate swing and AWT. Write a program using components to add two numbers. Use text fields for inputs and output. Your program should display the result when the user presses a button. 4+8
3. What is socket programming Write down client/server chat program using TCP. 6+6

Group B

Answer SEVEN questions.

$7 \times 8 = 56$

4. What are exceptions? Why is it important to handle exceptions? Discuss different keywords that are used to handle exception. 1+2+5
5. Discuss any five classes to handle files in java. 8
6. What is JDBC? Compare JDBC with ODBC. How do you execute SQL queries in JDBC. 8
7. What is JSP? Differentiate it with servlet. Discuss life cycle of servlet in brief. 1+3+4
8. What is Applet in JAVA, explain with its uses. Discuss border layout with suitable example. 3+5
9. Why multithreading is important in Java programming? Write a program to create two threads in Java. 4+4
10. What is RMI? Explain with its architecture. Differentiate it with CORBA. 5+3

(2)

- ⑪. What do you mean by event handling? Explain different JDBC driver type. 4+4
12. Explain features of JAVA programming. Write a programming implementing class object. 4+4

