

B.TECH. DEGREE EXAMINATION, MAY 2012**Fourth Semester**

Branch : Information Technology

IT 010 406—OBJECT ORIENTED TECHNIQUES (IT)

(Regular—2010 Admissions)

Time : Three Hours

Maximum : 100 Marks

*Answer all questions.***Part A***Each question carries 3 marks.*

1. List out the basic concepts of object oriented programming.
2. Define Object.
3. State Inheritance.
4. What is stream ?
5. Which containers use a Border layout as their default layout ?

(5 × 3 = 15 marks)

Part B*Each question carries 5 marks.*

6. What are the *four* corner stones of OOP ?
7. Explain briefly in Name Space.
8. What are the merits and demerits of an Inheritance ?
9. What is interface and its use ?
10. What is the difference between applications and applet ?

(5 × 5 = 25 marks)

Part C*Each full question carries 12 marks.*

11. Explain the use of constant pointers and pointers to constant with an example.

Or

12. Write a C++ program to illustrate the static function.
13. Explain about Constructor and Destructor, with suitable C++ Coding.

Or

14. Explain the different types of polymorphism.

Turn over

15. What is inheritance ? How inheritance is implemented in Java ? Explain with suitable examples.

Or

16. In detail explain Inner Classes.

17. Explain how Exception handling is done in Java.

Or

18. Define Interfaces. Explain the extension of interfaces, implementation and accessing it.

19. Explain the different states in Life Cycle of applet.

Or

20. Write the characteristics of Java and the concepts in Java.

(5 × 12 = 60 marks)