

B.TECH. DEGREE EXAMINATION, DECEMBER 2012**Seventh Semester**

Branch : Electronics and Communication Engineering/Applied Electronics and Instrumentation/
Electronics and Instrumentation Engineering

OBJECT ORIENTED PROGRAMMING IN C++ (Elective I) (LAS)

(Regular / Supplementary / Mercy Chance)

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

Part A

Each question carries 4 marks.

1. What are objects?
2. Explain any *three* applications of object oriented programming.
3. What is encapsulation?
4. With example, define constructors.
5. What is an abstract class?
6. What are virtual functions?
7. What is a friend function?
8. What is function overloading?
9. What are the features of small talk language?
10. What is dynamic object allocation?

(10 × 4 = 40 marks)

Part B

Each question carries 12 marks.

11. Explain the concept of object oriented languages in detail.

Or

12. Discuss the evolution of object oriented language.

Turn over

13. Explain the concept of inheritance with examples.

Or

14. Write about member functions.

15. Explain in detail about virtual functions and its usage.

Or

16. Define abstract class and abstract method in detail.

17. Explain the concept of operator overloading with example.

Or

18. Explain how we can select a member function for operator overloading.

19. Explain the main features of C++ and compare it with data oriented languages.

Or

20. What are the main applications of friend functions?

(5 × 12 = 60 marks)