

[07 - 2220]

II/IV B.Tech. DEGREE EXAMINATION.

Second Semester

Computer Science and Engineering

OBJECT ORIENTED PROGRAMMING

(Common with IT)

(Effective from the admitted batch of 2006-2007)

Time : Three hours

Maximum : 70 marks

First question is compulsory.

Answer any FOUR from the remaining questions.

All questions carry equal marks.

Answer all parts of any question at one place.

1. Answer the following :
 - (a) Data abstraction
 - (b) Virtual base class
 - (c) Type conversion
 - (d) This pointer

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- (e) Setprecision ()
 - (f) Command line arguments
 - (g) Synchronization.
2. (a) Write the difference between object oriented programming and procedural programming.
(b) Explain about different UML diagrams.
 3. (a) Write about the scope of variables.
(b) Explain the different types of preprocessor directives in C++.
 4. (a) What is operator overloading? Write a C++ program to overload +, - operators for addition, subtraction of complex numbers.
(b) What is Polymorphism? Describe compile-time polymorphism.
 5. (a) What are types of inheritance? Explain each with examples.
(b) Explain dynamic binding through virtual functions.
 6. (a) Define Class template and Function template.
(b) Write a program in C++ for file copying using file streams.

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7.
 - (a) Write about exception handling in Java.
 - (b) Write Java program to sort a list of numbers.
 8. Explain the following in Java :
 - (a) Priority in threads.
 - (b) Runnable interface.
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