

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
II B.TECH II SEM–REGULAR/SUPPLEMENTARY EXAMINATIONS MAY - 2010
OBJECT ORIENTED PROGRAMMING
(COMMON TO CSE, CHEM, IT, CSS, ECC)

Time: 3hours

Max.Marks:80

Answer any FIVE questions
All questions carry equal marks

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- 1.a) What are the advantages of an object – oriented programming paradigm.
b) Explain the fundamental characteristics of OOPS.
c) Describe with a flow chart how various tools are used in the application development. [6+6+4]

- 2.a) Write a Java Program to find the greatest common divisor of two numbers.
b) Compare and contrast between while and do – while statement.
c) Explain the constructor method. How it differs from other member function? [8+4+4]

- 3.a) What is the use of “this” Keyword explain with an example.
b) Write a program that creates an abstract class called dimension, creates two subclasses, rectangle and triangle. Include appropriate methods for both the subclasses that calculate and display the area of the rectangle and triangle. [4+12]

- 4.a) What is the difference between implicit and explicit import statement? Which one take less time for compilation?
b) How to extend one interface by the other interface? Explain with an example. [8+8]

- 5.a) Write a program that demonstrate the priority setting in threads.
b) Write an example program for multithreading using thread class. [8+8]

6. Design a Scientific calculator using AWT. [16]

7. Write a Java Program to display the month names by JList and display the Days by JComboBox. [16]

- 8.a) What is network Socket? Briefly explain the reserved Sockets?
b) List out the classes in Java.util Package along with their purpose. [8+8]
