

Code No: 09A60403

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

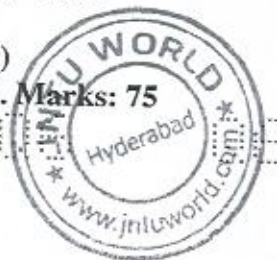
B. Tech III Year II Semester Examinations, December - 2012

OBJECT ORIENTED PROGRAMMING

(Electronics and Communication Engineering)

Time: 3 hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

1. Explain briefly the following object oriented concepts with examples.
 - a) Abstraction and Encapsulation.
 - b) Inheritance.
 - c) Polymorphism.[15]
- 2.a) How are objects constructed? Explain constructor overloading with an example.
b) Write short notes on access specifier's in java. [15]
3. What is inheritance? Explain various types of inheritance with examples. [15]
4. What is a Package? What are the benefits of using packages? Write down the steps in creating a package and using it in a java program with an example. [15]
5. Discuss the concept of exception handling with an application of your choice. Write necessary code snippets. [15]
- 6.a) What is multithreading? What are the methods available in Java for inter-thread communication? Discuss with an example.
b) Write a note on thread synchronization. [15]
- 7.a) What is an adapter class? Explain its purpose and functionality.
b) Describe about different types of Layout Managers. [15]
- 8.a) Briefly discuss about the limitations of AWT.
b) Write a code snippet to add check box, radio button and combo box using Swings. [15]

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