

Code No: 56025

R09

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B. Tech III Year II Semester Examinations, May - 2015

OBJECT ORIENTED PROGRAMMING

(Common to ECE, ETM)

Time: 3 hours

Max. Marks: 75

Answer any five questions  
All questions carry equal marks

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1. What are demerits of procedural programming? What is the need for object oriented programming paradigm? Explain the basic concepts of OOP. [15]
- 2.a) Discuss parameter passing techniques in Java.  
b) Write a java program to illustrate constructor overloading. [7+8]
- 3.a) Explain the concept of method overriding in Java.  
b) Illustrate with examples various forms of inheritance in Java. [7+8]
- 4.a) Differentiate between abstract class and an interface.  
b) Illustrate with an example how to access and import packages in Java program. [7+8]
- 5.a) What is the use of 'throw' and 'throws' keywords in java's exception handling?  
b) List and explain any four string handling methods in Java. [8+7]
- 6.a) Explain the thread life cycle.  
b) Discuss thread synchronization concept with a java program. [7+8]
- 7.a) Differentiate between grid layout and grid bag layout manager.  
b) Write a program to design a form for semester examination registration form with necessary AWT components. [7+8]
8. Write short notes on the following:  
a) Types of applets.  
b) MVC architecture.  
c) Scrollpane. [5+5+5]

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