JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech III Year II Semester Examinations, May - 2016
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.a) Briefly discuss about Object Oriented Programming Concepts with suitable illustrations.

b) List and explain the important features of Java programming language. How does Java differs from C language? [7+8]

2.a) With examples, explain the following control statements with syntax in Java.
i) if....else statement   ii) switch statement.

b) Write a Java program to compute the following function. [7+8]
$^{n}c_{r} = n!/r!(n-r)!$

3.a) Distinguish between single inheritance and multiple inheritance. Why does Java not support multiple inheritance? What feature of Java helps realize the benefits of multiple inheritance?

b) Explain about run time polymorphism with suitable example. [7+8]

4.a) What is an interface? What is the major difference between an interface and class?

b) Describe the various forms of implementing interfaces. Give examples of java code for each case. [7+8]

5.a) What are advantages of using Exception handling mechanism in a program?

b) Write a program containing a possible exception. Use try block to throw it and a catch block to handle it properly. [7+8]

6.a) How many ways are possible in java to create multiple threaded programs? Discuss the differences between them.

b) Write a program to create four threads using Runnable interface. [7+8]

7.a) Discuss about the Event Listeners.

b) List and explain any five AWT Components.

c) Give details out any Seven Event classes. [5+5+5]

8.a) What is an applet? Explain the life cycle of Applet with neat sketch.

b) Write short notes on MVC Architecture and its components. [8+7]

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