

R09

Code No: 56025

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, April - 2018

OBJECT ORIENTED PROGRAMMING

(Common to ECE, ETM)

Time: 3 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) Discuss the need for OOP paradigm.
- b) Distinguish between class and instance with a sample program. [7+8]
- 2.a) What is meant by nested and inner classes? Give suitable examples.
- b) What are the various methods defined in the string class? Explain them. [7+8]
- 3.a) Distinguish between abstract class and interface.
- b) What is meant by inheritance? Discuss about member access rules in it. [7+8]
4. Explain with a sample java program defining variables in an interface and extending interface. [15]
- 5.a) Discuss about various built in exceptions in java.
- b) Explain various benefits of exception handling. [7+8]
6. Explain with a sample java program how to create threads and assigning thread priorities. [15]
- 7.a) Write a java program for handling keyboard events.
- b) Explain about menubar and graphics in AWT. [8+7]
8. Write short notes on the following:
 - a) Radio buttons
 - b) Check boxes
 - c) Tabbed panes. [5+5+5]

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