

R09

Code No: 54058

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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

OBJECT ORIENTED PROGRAMMING

(Common to CSE, IT)

Time: 3 hours

Max. Marks: 75

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

1. Describe the concepts of Object-oriented programming with real time examples? [15]
- 2.a) Discuss on type conversion and casting?
b) Describe nested and inner classes with example programs? [5+10]
3. Discuss in detail on polymorphism, method overriding, and abstract classes with necessary programs? Give the difference between class and abstract class? [15]
- 4.a) Explain about File class, its constructors and methods? Write a Java program to display the contents of a directory, also display whether the entry is a file or directory?
b) Describe the creation and access of a package? [10+5]
- 5.a) Explain the keywords throw, throws and finally with example programs?
b) Explain creating own exception subclass with a program? [10+5]
- 6.a) Describe inter-thread communication with a program for producer-consumer communication?
b) Explain about layout managers in detail. [8+7]
7. Describe in detail dialog and menubar components with example programs? [15]
- 8.a) Explain creating of applets and passing parameters to applets with programs?
b) Explain Tabbed panes with example program? [8+7]

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