

**R09**

Code No: 56025

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, December - 2017**

**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) Explain polymorphism in OOP paradigm. [7+8]  
b) Give a summary of OOP concepts.
- 2.a) Explain bitwise operators with examples. [7+8]  
b) Discuss in detail about recursion with example.
- 3.a) Discuss about using super to call super class constructors. [8+7]  
b) Explain various forms of inheritance.
- 4.a) Define a package. Explain about finding packages and CLASSPATH. [7+8]  
b) What are Byte streams? Explain.
- 5.a) What is exceptional handling? Explain Java's built-in exceptions. [7+8]  
b) Explain in detail about String Buffer.
- 6.a) Briefly explain about enumerations. [7+8]  
b) Describe usage of is Alive() and join().
- 7.a) Explain about handling mouse events and keyboard events. [8+7]  
b) Discuss in detail about list panels.
8. Explain the following: [7+8]  
a) Types of applets  
b) Tabbed panes and scrolled panes.

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