

**R09**

Code No: 56025

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, December - 2018**

**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 inheritance and class hierarchy.
- b) Distinguish between overloading and overriding. Give an example with respect to methods. [7+8]
- 2.a) Write a Java program to reverse a string of characters.
- b) Explain about inner and nested classes with example. [7+8]
- 3.a) What are benefits and costs of inheritance? Explain.
- b) Explain about polymorphism in detail with example. [7+8]
- 4.a) Define an interface. Explain implementation of interfaces in JAVA.
- b) What are character streams? Explain. [7+8]
- 5.a) Explain about multiple catch clauses and nested try statements.
- b) Discuss about string handling functions. [7+8]
- 6.a) Discuss about interthread communication.
- b) Explain about generic class hierarchies. [7+8]
- 7.a) What are event classes? Explain.
- b) Explain about layout managers. [7+8]
8. Explain the following:
  - a) Passing parameters to applets
  - b) The swing buttons. [7+8]

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