

# END TERM EXAMINATION

THIRD SEMESTER [MCA] DECEMBER 2011

Paper Code: MCA 205

Subject: Java Programming

Time : 3 Hours

Maximum Marks :60

Note: Q.No. 1 is compulsory. Attempt one question from each unit.

- Q1. Answer the following: (2x10=20)
- (a) What do you understand from access protection?
  - (b) What are class libraries?
  - (c) Why constructors can not be considered as member function?
  - (d) Define built in exceptions?
  - (e) What is event handling?
  - (f) Define prepared statements?
  - (g) Explain the term Net Bean?
  - (h) When do we declare a class or method final?
  - (i) How packages can be used in Java?
  - (j) Define JFC.

### Unit-1

- Q2. Explain how an interface is implemented with the help of an example. What is subclass constructor, how it can be used in programming. (10)

or

Write a java application which helps the user in sorting the input text data in both ascending and descending order.

### Unit-2

- Q3. Describe datagram programming. What is RMI and also explain steps involved in developing an RMI object. (10)

or

Illustrate the use of multiple catch statements with the help of an example. What are priority based threads, discuss its use.

### Unit-3

- Q4. Explain how java applications are different from java applets. Write an applet for drawing bar charts. (10)

or

Describe two tier and three tier models of JDBC. Illustrate the use of Action listener with the help of an example.

### Unit-4

- Q5. Explain and compare features of swing with AWT. What are advanced controls of swing? (10)

or

Explain the architecture of java bean. Write an example that illustrate how to create a bean and how to add customizable properties to a Java Bean and how to generate and receive property change events.