

Roll No .....

**MCTA - 203**

**M.E./M.Tech., II Semester**

Examination, June 2016

**Advance Programming with J2EE**

*Time : Three Hours*

*Maximum Marks : 70*

- Note :** i) Attempt any five questions.  
ii) Each question carry equal marks.

1. a) What do you mean by Java Virtual Machine (JVM)? Explain its role in Java programming environment.  
b) What is a data type? Explain basic data types used in Java.
2. a) Discuss the basic features of Java Programming methodology.  
b) How a method is defined in Java? Explain with the help of suitable example.
3. a) What is type casting? Why it is required in programming?  
b) Explain abstract class and abstract method in Java with the help of suitable example.
4. a) Differentiate between application and applet in Java.  
b) Explain swing package in Java.
5. a) What do you mean by multithreaded programming?  
b) What is exception? Also discuss exception handling.

6. a) What is a throw statement? Explain with the help of suitable example.  
b) Write short note on Java stream classes.
7. a) Explain JDBC-ODBC bridge and role of driver manager.  
b) Explain the client server architecture.
8. a) Explain the steps of creating RMI application with the help of suitable example.  
b) Write short notes on the following:
  - i) Enterprise Java Beans
  - ii) CORBA

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