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**M.C.A. DEGREE II SEMESTER EXAMINATION MAY 2015**

**CAS 2205/2403/2404 JAVA PROGRAMMING**  
(Regular)

Time: 3 Hours

Maximum Marks: 50

**PART A**  
(Answer *ALL* questions)

(15 × 2 = 30)

- I. (a) What is Adapter class?  
(b) How is an array can be declared and initialized in Java?  
(c) Define object cloning.
- II. (a) Differentiate between SWING and AWT.  
(b) What is a File Dialog?  
(c) Differentiate text field and text area.
- III. (a) What are thread states?  
(b) What are Random access files?  
(c) Explain thread priorities.
- IV. (a) What is LDAP?  
(b) Explain Hash table class.  
(c) What is TreeSet?
- V. (a) What is Bean persistence?  
(b) Write a note on JAR files.  
(c) What is parameter marshalling?

**PART B**

(5 × 4 = 20)

- VI. How multiple inheritance is implemented in Java?  
**OR**
- VII. Explain applet and its life cycle.
- VIII. Explain how exception handling is done in Java.  
**OR**
- IX. Explain model-view-controller design pattern.
- X. Explain how synchronization between threads is done in Java.  
**OR**
- XI. What are streams? Explain different classes used in streams.
- XII. Explain concrete collections.  
**OR**
- XIII. Develop a JDBC application that insert, delete, update student details.
- XIV. What are the steps used to build Java Beans?  
**OR**
- XV. Demonstrate Java RMI with a program.