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MCTA - 203

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

Examination, June 2014

Advance Programming with J2EE

Time : Three Hours

Maximum Marks : 70

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

1. a) What is default constructor? How are an object instance variables initialized if a class has only a default constructor.
b) Explain the concept of multithreading with example.
2. Explain the following concepts:
 - i) Java IDL
 - ii) RMI
3. a) What are Java swings? How to implement a tree using Java swings?
b) Write a program to implement drag and drop in AWT.
4. a) What are Java beans? Explain how Java bean can be used for reusability of code. Explain with suitable example.
b) How coordinate transformation and image manipulation is done in AWT?

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5. a) What do you understand by applet? How applet is used with HTML? Explain the life cycle of applet, using example.
b) What are AWT classes? Discuss working with frame and displaying information within a window.
6. Explain the following:
 - i) Bean writing process
 - ii) Naming patterns for bean components
7. a) What are the seven basic steps for using JDBC to access a database? Explain briefly with syntax.
b) What are progress Indicators? Write programs in Java to implement tables and styled text components.
8. Explain the short notes on the following:
 - i) Byte code verification
 - ii) Class Loader
 - iii) Security Manager
