

MCTA-203

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M. E./M. Tech. (Second Semester)

EXAMINATION, June, 2012

(Grading/Non-Grading)

ADVANCE PROGRAMMING WITH J2EE

(MCTA-203)

Time : Three Hours

Maximum Marks : $\begin{cases} GS : 70 \\ NGS : 100 \end{cases}$

Note : Attempt any *five* questions. All questions carry equal marks.

1. (a) What is the importance of setting environment variables like path and classpath ?
(b) What are constructors used for ? Can constructor be overload ? Write java program in support of your answer.
2. (a) What is an abstract class in Java ? Can an abstract class have constructors ? Explain.
(b) What is an interface ? How is it different from an abstract class ?

4. (a) What is runnable interface ? How can you use this interface in creating threads ?
(b) What is the significance of applet class in creating an applet ? Also explain the hierarchy of applet class.
5. (a) Which method of the component class is used to set the position and size of a component ?
(b) What are different types of components ? How are these components added to container ?
6. (a) Explain the different types of JDBC drivers.
(b) Explain RMI (Remote Method Invocation) in Java.
7. (a) Explain the role of Java beans and Java files.
(b) Explain Java coding standards.
8. Write short notes on the following :
 - (a) CORBA
 - (b) Enterprise Java Beans
 - (c) Servlets
 - (d) Swings