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07MCA41

Fourth Semester MCA Degree Examination, December 2011
Topics in Enterprise Architecture – I

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. Explain the special features of Java Language. (08 Marks)
b. What are the different datatypes available in Java? (08 Marks)
c. What is a type casting? Illustrate with an example. (04 Marks)
- 2 a. How does arrays defined and used in Java? (06 Marks)
b. Describe the term with an example:
i) String class ii) String buffer class. (06 Marks)
c. How is method overriding different from method overloading? Explain with an example. (08 Marks)
- 3 a. Describe the term with an example,
i) Dynamic method dispatch
ii) Final class
iii) >>>
iv) % (12 Marks)
b. What is an exception? Explain the general structure of an exception handling blocks. (08 Marks)
- 4 a. What is an applet? Explain different stages in the life cycle of an applet. (08 Marks)
b. Define thread. Develop a program to create multithread with different priorities. (12 Marks)
- 5 a. Develop a Java program to demonstrate the mouse event handler. (12 Marks)
b. With suitable examples, illustrate interface and abstract class. (08 Marks)
- 6 a. Explain two key features of swings. (04 Marks)
b. With an example, describe four swing buttons. (08 Marks)
c. Explain overview of the JDBC process. (08 Marks)
- 7 a. Differentiate CGI and servlet. Explain different stages in the life cycle of a servlets. (07 Marks)
b. Write a note on JSP tags. (06 Marks)
c. With an example, explain how to set the transaction attribute in the deployment descriptor? (07 Marks)
- 8 Write short notes on:
a. Inner class.
b. Meta data.
c. Types of JDBC drives.
d. Wrapper classes. (20 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.