67171

M.C.A. 4th Semester
(with new notes)

Examination–May, 2015

Advanced Java Programming (New)

Paper-MCA-401

Time : 3 hours   **Max. Marks : 80**

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Question No. **1** is **compulsory**. Attempt **four** more questions more selecting **one** question from each unit. All questions carry equal marks.

1. Answer the following questions briefly :

[8×2=16]

   (a)   What is applet? How is it useful ?

   (b)   Define Tomcat server.

(c) Explain two advantages of virtual functions in Java.

(b) Explain general structure of Java program briefly.

(e) What are boxes in Java?

(f) Define JDBC with an example.

(g) Write the use and advantages of swings in Java.

(h) Explain two major advantages of session tracking.

UNIT-I

2. (a) What is AWT programming ? How is it useful and used ? Discuss with examples. [10]

   (b) Discuss XML in Java with suitable examples. [8]

3. Explain the following briefly with suitable examples in Java :

   (a) Object Model and its uses. [8]

   (b) Java Scripts, its uses and advantages. [8]

UNIT-II

4. (a) What are Java beans ? How are these useful and used ? Explain with examples. [12]

(b) Discuss AWT controls with suitable examples in Java. [4]

5. Describe the following with Java code segments :

(a) Labels and its advantages. [8]

(b) Developing a Home page using applets. [8]

UNIT-III

6. (a) What is JSDK ? How is it used and useful ? Explain it with examples and code segments in Java. [10]

(b) Discuss application design with MVC with an example. [6]

7. Explain the following with examples :

(a) HTTP requests and responses in Java. [8]

(b) Security features in Java. [8]

UNIT-IV

8. (a) What is error handling ? How it is used and useful in Java ? Discuss with Java code examples. [8]

   (b) Define dynamics content ? Discuss its uses and advantages through Java code segments. [8]

9. Explain the following with Java code segments:

   (a) Uses of Java beans in JSP pages. [8]

   (b) JDBC and its uses in Database programming. [8]

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