

Roll No.

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.

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(1)

[Turn Over

- (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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