# BCA–502(N)

## B. C. A. (Fifth Semester)
## EXAMINATION, Dec., 2013

(New Course)

Paper Second

### JAVA PROGRAMMING AND DYNAMIC WEBPAGE DESIGN

Time : Three Hours ]　　　　　　　　[ Maximum Marks : 75

**Note :**　Section A is Compulsory. Attempt any *seven* questions from Section B and *one* question from Section C.

### Section—A

1. Answer the following :　　　　　　　　10

    (i)　What is the difference between void start( ) and void init( ) in the context of an applet ?

    (ii)　What is garbage collection ?

    (iii)　Why is java considered as portable ?

    (iv)　What is the difference between exception and error ?

    (v)　What is partial implementation ?

2. Fill in the blanks with correct word :　　　　4

    (i)　While implementing an interface method, it must be declared............

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(ii) The ............ nested class is called inner class.

(iii) ............ is the highest class in the event-delegation model.

(iv) ............ is the immediate superclass of the container class.

## Section—B

6 each

3. Write a Java program which accepts two strings from user and prints the alphabetically greater one. 4

4. Define polymorphism, encapsulation and inheritance in context of Java.

5. What are different ways of creating threads ? Explain giving example.

6. What are different HTML meta-tags ?

7. Explain different types of controls in brief, that AWT supports.

8. Explain all types of JDBC drivers.

9. Distinguish between throw and throws using suitable example.

10. How does Java support run-time polymorphism ?

11. Describe the life-cycle methods of servlets. What is the difference in request handling in generic and HTTP servlet ?

12. Describe 2-tier and 3-tier processing models of JDBC.

13. Explain different HTTP request and response headers.

## Section—C

14. Write short notes on the following : 15

(i) Finally

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(ii) Listener

(iii) Finalyze ( )

(iv) Web-container

(v) Synchronization

15. What are different JSP elements ? Explain each in detail. 15

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