



UA-3748

Second Year B. C. A. (Sem. IV) Examination
March/April – 2012

Paper - 403 : Java Programming Language

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशविले निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="Second Year B. C. A. (Sem. 4)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Paper - 403 : Java Programming Language"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="4"/> <input type="text" value="8"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="NIL"/>	<input type="text"/>
	Student's Signature

(2) Marks are indicated at the **right** side of each questions.

- 1 Answer following : (any **five**) 15
- (a) What is difference between equals() and == ?
 - (b) Explain super() keyword with example.
 - (c) Explain life cycle of Thread().
 - (d) What is native code ?
 - (e) What is virtual Machine ?
 - (f) Explain keyword 'Abstract'.
 - (g) What is difference between paint() and repaint() ?
- 2 (a) Describe Java architecture. How Java is platform independent Language ? 8
- OR**
- (a) Discuss Java class structure. Explain concept of inheritance in Java. 8
 - (b) Discuss control structures in Java. 5
- OR**
- (b) Explain Java datatypes. Provide appropriate examples. 5
 - (c) What is difference between this and super keywords ? 3

- 3 (a) What is Exception ? Discuss Exception handling in Java. 8
- OR**
- (a) Discuss concept of Threads in Java. Explain Thread priorities. 8
- (b) Explain concept of packages in Java. 5
- OR**
- (b) What is interface ? Explain concept and benefits of interface. 5
- (c) Discuss polymorphism concept in Java. 3
- 4 (a) What is difference between Java Applications and Applet ? 8
- OR**
- (a) Discuss Applet life cycle. How Java Applets executes ? 8
- (b) What is difference between final, finally and finalize ? 5
- OR**
- (b) Explain flow controls of Java. 5
- (c) What is Garbage collection ? 3
- 5 (a) What is difference between string() and string Buffer() class ? 4
- OR**
- (a) Discuss any five data class functions. 4
- (b) Explain following methods with example : 3
- (i) substring()
- (ii) indexOf()
- (iii) insert()
- (iv) delete().
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