



**K-3748**

**Second Year B. C. A. (Sem. IV) Examination**

**October/ November – 2012**

**Paper - 403 : Java Programming Language**

Time : Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दृशविल 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 to the **right** side of each questions.

1 Answer following : (any **five**) 15

- (a) How to compare two objects ?
- (b) How run( ) method in Thread is invoked ?
- (c) What is difference between process and Thread ?
- (d) What is native code ?
- (e) How paint( ) method is invoked ?
- (f) What is 'Abstract' ?

2 (a) Discuss object oriented concept in Java. Compare it with C++. 8

**OR**

- (a) Explain Java controls structures. 8
- (b) Describe Java Primitive Datatypes. 5

**OR**

- (b) What is difference between Applet and Application ? 5
- (c) What is 'Abstract' keyword in Java. 3

<b>3</b>	(a) Explain concept of Threads in Java.	<b>8</b>
	<b>OR</b>	
	(a) What is package and interface in Java ?	<b>8</b>
	(b) Explain string and string buffer class.	<b>5</b>
	<b>OR</b>	
	(b) What is Garbage collection ? How garbage collection work ?	<b>5</b>
	(c) What is difference between this and super ?	<b>3</b>
<b>4</b>	(a) Explain concept of exception in Java. How exceptions are handled ?	<b>8</b>
	<b>OR</b>	
	(a) Discuss life cycle of Thread.	<b>8</b>
	(b) Discuss applet life cycle.	<b>5</b>
	<b>OR</b>	
	(b) Explain concept of polymorphism in Java.	<b>5</b>
	<b>OR</b>	
	(b) Describe interface. How to create user defined interface ?	<b>3</b>
	(c) Discuss Static Keyword in Java.	<b>3</b>
<b>5</b>	(a) What is difference between notify( ) and notifyall( ) methods ?	<b>4</b>
	<b>OR</b>	
	(a) How to display current date and time using Java code ?	<b>4</b>
	(b) Discuss concept of Arrays in Java.	<b>3</b>