



RD-3754

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

March / April - 2017

403 : Java Programming Language

Time : 3 Hours]

[Total Marks : 70

Instruction :

नीचे दशांशिक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
SECOND YEAR B. C. A. (SEM. 4)	<input type="text"/>
Name of the Subject :	<input type="text"/>
403 : JAVA PROGRAMMING LANGUAGE	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="5"/> <input type="text" value="4"/>	Section No. (1, 2.....) : <input type="text" value="NIL"/>
	Student's Signature

- 1 Answer the following in short : (any seven) 14
- (a) What is bytecode ?
 - (b) How mutex can be achieved in thread ?
 - (c) Explain the keyword equivalent to go to statement in java.
 - (d) Differentiate >> and >>>.
 - (e) How default access modifier is different than public modifier ?
 - (f) Write down the significance of CLASSPATH.
 - (g) Write down the use of volatile keyword.
 - (h) Differentiate checked and unchecked exception.
- 2 Write short notes on following : (any four) 16
- (a) Bitwise operator
 - (b) Narrowing conversion
 - (c) Garbage collection
 - (d) Arrays in java
 - (e) Static keyword

<http://VNSGU.AtoZmath.com> Result, Syllabus, Question Paper, Programs of BCA, BBA
3 (a) What is package ? How can we create sub package and import it into another package ? 7

OR

- (a) Explain thread life cycle in detail. 7
- (b) Explain method overriding with example. How does it differ from overloading ? 7
- 4 (a) Compare interface with class and abstract class. 6

OR

- (a) Compare features of java and C++. 6
- (b) What is an applet ? List out various methods of graphics class used with applet. 7
- 5 (a) Write a program that will accept two strings or two numbers from command line and create overloaded method that add these two numbers or concate two strings. 6

OR

- (a) Write a program that will create a thread to display numbers between given two numbers passed as an agreement. 6
- (b) Explain the concept of deadlock in java. 7

OR

- (b) What is exception ? Explain user defined exception with appropriate example. 7