

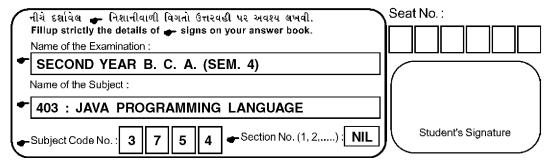
RD-3754

Second Year B. C. A. (Sem. IV) Examination March / April - 2017

403 : Java Programming Language

Time: 3 Hours] [Total Marks: 70

Instruction:



1 Answer the following in short: (any seven)

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- (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)

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- (a) Bitwise operator
- (b) Narrowing conversion
- (c) Garbage collection
- (d) Arrays in java
- (e) Static keyword

RD-3754] 1 [Contd...

3 What is package? How can we create sub package (a) and import it into another package? OR Explain thread life cycle in detail. 7 (a) Explain method overriding with example. How does 7 (b) it differ from overloading? Compare interface with class and abstract class. 6 4 (a) OR Compare features of java and C++. 6 (a) (b) What is an applet? List out various methods of 7 graphics class used with applet. 5 (a) Write a program that will accept two strings or two 6 numbers from command line and create overloaded method that add these two numbers or concate two strings. OR Write a program that will create a thread to display (a) 6 numbers between given two numbers passed as an agreement. (b) Explain the concept of deadlock in java. 7 OR (b) What is exception? Explain user defined exception 7 with appropriate example.