MA-3754
Second Year B. C. A. (Sem. IV) (CBCS) Examination
September/October – 2015
JAVA Programming Language : Paper - 403

Time : 3 Hours]   [Total Marks : 70

Instructions :
(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.
Name of the Examination :
☛ Second Year B. C. A. (Sem. IV) (CBCS)
Name of the Subject :
☛ JAVA Programming Language : Paper - 403
☛ Subject Code No. : | 3 | 7 | 5 | 4 | ☛ Section No. (1, 2,......) : | Nil |

Seat No. :

Student's Signature

(2)   Attempt all questions.

(3)   Figure on the right indicates full marks.

1   Answer the following in short. **(Any Seven)**   **14**

(1)   What is the importance of finalize( ) ?

(2)   What type of exceptions must be caught or declared ?

(3)   Compare application and applet.

(4)   Explain working of JVM.

(5)   Clarify is Alive( ) and joint( ) methods.

(6)   Write an importance of CLASSPATH variable.

(7)   Write difference between length( ) and length.

(8)   Compare >> and >>>

(9)   Give difference between static and non-static nested class.

2   Answer the following. **(Any Two)**   **14**

     (a)   Explain String class along with its methods with example.

     (b)   What is garbage collection ? How garbage collection works ?

     (c)   Discuss static keyword in Java with example.

3   Answer following. **(Any Two)**   **14**

     (a)   Explain narrowing conversion and widening conversion with example.

     (b)   What do you mean by interface ? Can we declare "final" to it ? How does it differ from abstract class ?

     (c)   What do you mean by wrapper class, why we need it ?

4   Answer following. **(Any Two)**   **14**

     (a)   Write a note on applet, its life cycle and any three methods of Graphics class.

     (b)   Explain exception handling in java.

     (c)   Explain concepts of overloading and overriding.

5   Write a short-note on the following.   **14**

     (a)   Deadlock with example

     (b)   Packages