AC-3754

Second Year B. C. A. (Sem. IV) (CBCS) Examination
April/May – 2015
JAVA Programming Language : Paper - 403

Time : 3 Hours]   [Total Marks : 100

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.

[Q-1] Answer the following in short (any seven):   **[14]**
   I.   Explain the significance of using 'public' and 'static' in main().
  II.   List any three built in packages along with its brief description.
 III.   How java implement feature of goto?
  IV.   Define daemon thread.
   V.   Explain abstract keyword.
  VI.   What are the differences between paint() and repaint().
 VII.   How to compare two objects?
VIII.   Give difference between & and &&.
  IX.   Compare string and stringbuffer.

[Q-2] Answer the following (Any two):   **[14]**
   a) Explain uses of this and super keywords.
   b) Explain with example, when to declare a variable, method and block as static.
       Also explain static and non-static nested class.
   c) Discuss exception handling in java.

[Q-3] Answer the following (Any two): [14]
   a) Discuss data types of java and their wrapper class.
   b) Define package. Explain types of packages.
   c) Explain final keyword, finally block and finalized method.

[Q-4] Answer the following (Any two): [14]
   a) Define Thread and Synchronization. Also discuss life cycle of Thread.
   b) Define interface. How interfaces are implemented? Can interface be extended?
   c) How can we pass parameters in an applet. Explain with proper example.

[Q-5] Write a short-note on the following: [14]
   a) Command line arguments with example
   b) Constructor overloading with example