B.SC. (I. T.) SEM. - III (2011 COURSE) : SUMMER - 2018
SUBJECT : CORE JAVA

Day : **Thursday** | **S-2018-0979** | Time : **02.30 pm to 04.30 pm**
Date : **24/05/2018** | Max. Marks : **40**

N. B. :
1) Attempt **Any FIVE** Full questions.
2) Figures to the right indicate **FULL** marks.

Q.1 What is meant by Inheritance? List and explain the types of inheritance supported in Java. Demonstrate an implementation scenario of inheritance in a java program. **(08)**

Q.2 Describe the different categories of data types in Java, with few examples of each category? Explain the casting of data type variable, with appropriate example. **(08)**

Q.3 Explain the necessity of Exception handling in Java? Illustrate with an example, all 5 key words of Exception handling? **(08)**

Q.4 Explain the difference between abstract class and interface, along with code examples also showing their usage? **(08)**

Q.5 Clearly explain each of the following Java keywords, with a code snippet example : **(08)**
a) Static
b) Final
c) Abstract
d) This

Q.6 Explain the concept of Java library? Also differentiate between Java SE and Java EE? **(08)**

Q.7 Write Short Notes on : **(08)**
a) JVM and JRE
b) Access specifiers in Java

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