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**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Tech. (IT) (Sem-5)**  
**PROGRAMMING IN JAVA**

**Subject Code : BTIT503-18**

**M.Code : 79258**

**Date of Examination : 19-06-2023**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

## SECTION-A

1. **Write briefly :**
  - a) Exception
  - b) Recursion
  - c) Keywords
  - d) Constant
  - e) Variable
  - f) TCP/IP
  - g) Scope of variable
  - h) Method overloading
  - i) isAlive() method
  - j) JDBC.

### **SECTION-B**

2. What are the differences between C++ and Java?
3. Explain various Jump statements that we can use in JAVA
4. Explain inheritance and its types.
5. What is the purpose of Abstract keyword?
6. Design an Applet that accepts parameter from HTML file.

### **SECTION-C**

7. Write a program to store Roll no, Name, Age, Branch of a student in StuTBL. And also write steps how we can access this data in JAVA using JDBC.
8. How we can create and use Package in JAVA? Explain in detail with the help of a suitable example.
9. Explain life cycle of a Thread with the help of an example.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**