

Roll No.

Total No. of Pages : 02

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

Subject Code : BTIT-503-18

M.Code : 78258

Date of Examination : 23-11-2023

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. Explain the following :**

- a) JVM
- b) Final keyword
- c) Applet
- d) Package
- e) Socket
- f) Token
- g) Overloading
- h) Recursion
- i) Thread
- j) Wrapper class.

## SECTION-B

2. Explain what makes java platform independent language.
3. Define interfaces. How they are different from abstract classes?
4. Explain visibility controls in Java.
5. Write a program to convert a string in lower case to upper case.
6. Demonstrate the creating and handling of exceptions.

## SECTION-C

7. Explain with example different types of operators used in Java language.
8. Describe the working of Thread model in Java.
9. Define exception handling. How multiple exceptions are caught in Java?

**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.**