

Roll No. ....

Total No. of Pages : 2

Total No. of Questions : 09

**B.Tech. (IT) (Sem.-7/8)**  
**INTRODUCTION TO JAVA**  
**Subject Code : IT-402**  
**Paper ID : [A0529]**

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

- 1. SECTION-A is COMPULSORY.**
- 2. Attempt any FOUR questions from SECTION-B.**
- 3. Attempt any TWO questions from SECTION-C.**

**SECTION-A (10 × 2 = 20 Marks)**

1. Write briefly :

- What is typecasting?
- Write a program to find largest of three numbers using conditional operator.
- What is a variable?
- What is a constant?
- What is a class? How does it accomplish data hiding?
- What is overriding?
- When do we declare a method or a class as final?
- What is dynamic method dispatch?
- What is inheritance?
- Why Java is called as Internet programming language? Explain.

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**SECTION-B (4 × 5 = 20 Marks)**

2. What is the difference between suspending and stopping a thread? Explain with the help of a program.
3. Write a program which will read a string S1 in uppercase and convert the string into lower case.
4. How do we set priorities for the thread? Explain.
5. How exception handling is done in Java? Explain with the help of a program.
6. How do we import package? Explain.

**SECTION-C (2 × 10 = 20 Marks)**

7. Is client and server communication possible in Java? Justify your answer.
8. What is an Applet? Explain its architecture.
9. “*Java is more secured than other languages*”. Justify your answer for the same.