

Roll No. ....

Total No. of Questions : 09]

[Total No. of Pages : 02

## Paper ID [A0529]

(Please fill this Paper ID in OMR Sheet)

B.Tech. (Sem. - 7<sup>th</sup>/8<sup>th</sup>)

INTRODUCTION TO JAVA (IT - 402)

Time : 03 Hours

Maximum 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

Q1)

(10 × 2 = 20)

- a) What do you understand by abstraction?
- b) What are the various bitwise operator used in JAVA? Give examples of each.
- c) What do you understand by class in JAVA?
- d) Define packages and interfaces with respect to inheritance.
- e) Write a program in JAVA to find the factorial of a given number.
- f) What do you understand by thread priorities?
- g) Write a program in JAVA to reverse a given string.
- h) Define TCP/IP.
- i) Why JAVA is important to the networking?
- j) What do you understand by URL connections?

### Section - B

(4 × 5 = 20)

Q2) Describe the different types of data types of JAVA with examples.

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P.T.O.

**Q3)** What do you mean by scope of a variable? Discuss the scope of variables in JAVA.

**Q4)** Discuss the different levels of access protection available in JAVA.

**Q5)** Compare and contrast between overloading and overriding methods.

**Q6)** How will you create and access system packages?

**Section - C**

**(2 × 10 = 20)**

**Q7)** Write a program in JAVA to arrange the following numbers in ascending order:  
2,56,34,51,0,3,6,21,93,23

**Q8)** What are applets? Give steps to create applets. Also discuss various applets tags.

**Q9)** How strings are manipulated in JAVA? Discuss various methods used for it.

