

Roll No.

Total No. of Pages : 02

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**B.Sc. (IT) (2014 Batch) (Sem.-4)**  
**CORE JAVA PROGRAMMING**  
Subject Code : BS-202  
M.Code : 12518

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. SECTION-B contains **SIX** questions carrying **TEN** marks each and a student has to attempt any **FOUR** questions.

**SECTION-A**

**Q1) Answer briefly :**

- a) Write a note on polymorphism.
- b) Differentiate between method overloading and overriding.
- c) How multiple inheritances can be implemented in java?
- d) Write a note on bytecode.
- e) Differentiate between CLASSPATH and PATH variable.
- f) Write syntax to create 2-D array.
- g) Differentiate between throw and throws keywords.
- h) Write the syntax to create a package.
- i) Differentiate between abstract and final keywords.
- j) Differentiate between java and C++ programming language.

## SECTION-B

- Q2) Write a Program to find the area of the circle using method overloading.
- Q3) Write various methods to read a data from keyboard.
- Q4) Write a method which accepts two arrays of integers and return the merged array. Make this method so that it can be called in main method without creating object of the class.
- Q5) Explain the life cycle of applet using various methods.
- Q6) What are run time errors? How these errors can be handled using try-catch block?
- Q7) Write a program to draw a bar chart and line chart.

**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.**