

MCA DEGREE IV SEMESTER EXAMINATION MAY 2014**CAS 2403 JAVA PROGRAMMING**
(Regular and Supplementary)

Time: 3 Hours

Maximum Marks: 50

PART A
(Answer *ALL* questions)

(15 × 2 = 30)

- I. (a) Explain any two OOPS features that is there in JAVA not in c++.
(b) What are inner classes in JAVA?
(c) Explain how JAVA becomes platform independent.
- II. (a) Explain try-catch-block in JAVA.
(b) Explain the MVC architecture.
(c) What are the basic building blocks of swing?
- III. (a) Explain thread management basics in JAVA.
(b) What is object serialization?
(c) Write a JAVA program to read from a file.
- IV. (a) Give an example for collection interfaces.
(b) What is LDAP?
(c) What are Legacy collections?
- V. (a) Explain basics of RMI?
(b) Create a JAVA bean to store student details.
(c) How we use JAVA beans to build applications?

PART B

(5 × 4 = 20)

- VI. Explain how JAVA achieves multiple inheritance using interfaces?
OR
- VII. Write a JAVA program using function overloading to find volume of cube and Cylinder?
- VIII. Write a JAVA program using SWING to create a log in screen to a system.
OR
- IX. Write a JAVA program using SWING to concatenate the first and last name of name on clicking ok button of the log in screen.
- X. Write a JAVA program to demonstrate multithreading.
OR
- XI. Write a program to read and write from a file that stores employee details.
- XII. Write a JAVA program using JDBC to update student data (Sno, Sname, Marks) of table named student.
OR
- XIII. Explain and demonstrate JDBC concepts for searching employee table using roll no.
- XIV. Write a JAVA program using RMI to search for information.
OR
- XV. Demonstrate application development using JAVA beans.