M.C.A. DEGREE IV SEMESTER EXAMINATION MAY 2015

CAS 2205/2403/2404 JAVA PROGRAMMING/BASIC JAVA PROGRAMMING
(Regular and Supplementary)

Time: 3 Hours

Maximum Marks: 50

PART A
(Answer *ALL* questions)

$(15 \times 2 = 30)$

I.   (a)   What is Adapter class?
     (b)   How is an array can be declared and initialized in Java?
     (c)   Define object cloning.

II. (a)   Differentiate between SWING and AWT.
     (b)   What is a File Dialog?
     (c)   Differentiate text field and text area.

III. (a)   What are thread states?
     (b)   What are Random access files?
     (c)   Explain thread priorities.

IV. (a)   What is LDAP?
     (b)   Explain Hash table class.
     (c)   What is TreeSet?

V.   (a)   What is Bean persistence?
     (b)   Write a note on JAR files.
     (c)   What is parameter marshalling?

PART B

$(5 \times 4 = 20)$

VI.   How multiple inheritance is implemented in Java?
                              OR
VII.   Explain applet and its life cycle.

VIII.   Explain how exception handling is done in Java.
                              OR
IX.   Explain model-view-controller design pattern.

X.   Explain how synchronization between threads is done in Java.
                              OR
XI.   What are streams? Explain different classes used in streams.

XII.   Explain concrete collections.
                              OR
XIII.   Develop a JDBC application that insert, delete, update student details.

XIV.   What are the steps used to build Java Beans?
                              OR
XV.   Demonstrate Java RMI with a program.

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