

END TERM EXAMINATION

THIRD SEMESTER [MCA] DECEMBER-2012

Paper Code: MCA205

Subject : Java Programming

Time:3 Hours

Maximum Marks :60

Note: Attempt five question including Q.no.1 which is compulsory.

Select one question from each unit.

Q1. Answer the following:-

(2*10=20)

- (a) What is difference between Application and Applet?
- (b) Write a small java program containing user defined exceptions.
- (c) What is garbage collection in java?
- (d) What is JVM and JVM programming?
- (e) What is the functionality of FILE class?
- (f) What is the Java Bean and Bean Development Kit (BDK)?
- (g) What are the steps involved in establishment a JDBC connection?
- (h) What is Enterprise Java Beans?
- (i) Describe dynamic dispatch method with example?
- (j) What are the features of swings?

UNIT-1

Q2. Explain the steps to create RMI based clients and server .Explain the various methods of registering and gaining access to the Remote Object. (10)

OR

Explain Method overloading and Method overriding with suitable example .Can you overload operators in Java? (10)

UNIT-II

Q3. Explain the basic components of JDBC. Explain in detail the different drivers of JDB. **(10)**

OR

Explain Multithreading. How java implements its thread model?(**10**)

UNIT-III

Q4. Write a program to create two threads, one thread will print odd numbers and second thread will print even numbers between 1 to 10 numbers.(**10**)

OR

Describe the various operators used in java with their classifications. Explain left shift and right shift operators with suitable examples.(**10**)

UNIT-IV

Q5. Explain the architecture of Remote Method Invocation (RMI) and its packages. **(10)**

OR

Write short notes on **any four** of the following giving suitable examples:- **(10)**

- (a) Standard Java Packages
- (b) Java AWT controls
- (c) Net Bean
- (d) Java class loaders
- (e) JDBC models
