



**DPP-003-008204**

Seat No. \_\_\_\_\_

**M. Sc. (IT & CA) (Sem. II) (CBCS) Examination**

**May / June – 2015**

**EMY2023 : Core Java**

**Faculty Code : 003**

**Subject Code : 008204**

Time : **3** Hours]

[Total Marks : **70**

**1 Explain following. (Any five) 30**

- (1) Explain Lifecycle of Thread.
- (2) Explain try, catch, throw, throws and finally in Exception Handling.
- (3) Describe different form of inheritance with example.
- (4) Explain Method Overloading and Method Overriding with suitable example.
- (5) Explain JMenu, JMenuItem and JMenuBar with suitable Example.
- (6) Explain Applet life cycle in detail.

**2 Explain following. (Any four) 20**

- (1) Explain automatic conversion and explicit conversion with example.
- (2) Explain Synchronization with suitable example.
- (3) Explain byte stream and character stream in detail.

- (4) Explain following:
  - (a) `isAlive()`
  - (b) `charAt()`
  - (c) `Jtable`
  - (d) `Fileinputstream`
  - (e) `JTree`
- (5) Explain Graphics class with suitable example.
- (6) Write importance of Garbage collection and Finalize method.

**3 Explain following. (Any two) 20**

- (1) Write a program to create a simple text file to write data and read data.
- (2) Explain JDBC connectivity with example.
- (3) Write a program to implement student results management system using swing and JDBC to Add, Modify, Delete, View the results.