

M.C.M. - II (with Credits)-Regular-Semester 2012 Sem IV  
**MCM242 - Paper - II Java Concepts**

P. Pages : 2

Time : Three Hours



**GUG/W/16/5232**

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and clean diagrams wherever necessary.
  3. Avoid vague answers and write answers relevant and specific to questions only.

**Either**

1. a) What is JDK ? Explain the JDK environment in detail. 8
- b) Write a program in Java to check enter no is palindrome or not. 8

**OR**

- c) How are constants and variables important in developing programs. 8
- d) Explain the following : 8
- i) `java.lang.*` ;
  - ii) `java.applet.*` ;

**Either**

2. a) What are object ? How are they created from a class, explain with suitable example. 8
- b) Explain the static data & static methods with suitable example. 8

**OR**

- c) Explain the following : 8
- i) Interfaces
  - ii) Modifiers of class.
- d) Explain in detail packages of java. 8

**Either**

3. a) What is thread ? Explain priority in detail. 8
- b) Explain the following. 8
- i) `wait ( )` method
  - ii) `notify ( )` method

**OR**

- c) Write a short note on 'Exception' ? Explain how java supports exception ? 8
- d) Explain in detail thread Scheduling ? 8

**Either**

- |           |    |   |          |
|-----------|----|---|----------|
| <b>4.</b> | a) | Explain object serilization through program.    | <b>8</b> |
|           | b) | Explain Adapter anonymous classes with example. | <b>8</b> |

**OR**

- |           |    |  |          |
|-----------|----|--|----------|
|           | c) | Write a program to demonstrate the frame class.                | <b>8</b> |
|           | d) | Explain in detail about input & output stream classes in Java. | <b>8</b> |
| <b>5.</b> |    | Solve all the question :                                       |          |
|           | a) | Explain the datatypes in Java.                                 | <b>4</b> |
|           | b) | Differentiate abstract class and interface.                    | <b>4</b> |
|           | c) | Explain the multithreading in brief.                           | <b>4</b> |
|           | d) | Write a program to read the content from file.                 | <b>4</b> |

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