

**Subject Code: MC1321/R13**

**M C A - II Semester Regular/Supplementary Examinations, Aug - 2015**

**OOPS THROUGH JAVA**

**Time: 3 hours**

**Max Marks: 60**

Answer any **FIVE** of the following

All questions carry equal marks.

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1. (a) Explain the classes and instances with an example program.  
(b) Explain the abstraction mechanisms.
2. (a) Discuss the following
  - (i) this keyword
  - (ii) garbage collection  
(b) Explain the constructor overloading with an example.
3. Discuss the polymorphism with an example program
4. (a) Explain how to import packages with an example program  
(b) Explain the differences between classes and interfaces.
5. Create your own exception and discuss with an example.
6. (a) write a short note on AWT class hierarchy.  
(b) What is an adapter class.
7. (a) Discuss the life cycle of an applet.  
(b) What are the applications of an applet.
8. (a) What are the limitations of AWT  
(b) Discuss the usage of scroll panes with an example program

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