

B.Tech II Year II Semester (R09) Supplementary Examinations May/June 2015

**OBJECT ORIENTED PROGRAMMING**

(Common to CSE, IT & CSS)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) What is byte code in Java? Why Java does not support pointers? Explain.  
(b) Write a Java program to reverse a given long integer.
- 2 (a) What is an array? Why arrays are easier to use compare to a bunch of related variables?  
(b) Write a java program to sort the list of integers.
- 3 (a) What is method overriding? Write the differences between method overloading and method overriding.  
(b) What is abstract class? Explain with an example.
- 4 (a) How to create sub package to a package?  
(b) What is an API? Explain briefly.
- 5 Explain the concepts of multi threading in java. What are the two methods available in java to implement multi threading?
- 6 Explain the following layout managers with a simple program:  
(a) Border layout manager.  
(b) Grid layout manager
- 7 (a) Discuss about various components in swing.  
(b) What are the different types of containers defined in swing?
- 8 (a) Explain about autoboxing / unboxing for Boolean and character values.  
(b) Write about marker annotations.

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