

R07**Code: R7210302****B.Tech II Year I Semester (R07) Supplementary Examinations December 2015****OBJECT ORIENTED PROGRAMMING**

(Mechanical Engineering)

(For 2008 regular admitted batch only)

Time: 3 hours

Max. Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Explain the principles of object oriented programming in detail.
(b) What is the difference between a message passing and a procedure call?
- 2 (a) Write a java program to check whether the given number is palindrome or not.
(b) What are constructors and destructor functions? Explain different types of constructors.
- 3 (a) What is the mechanism by which a call to an overridden method is resolved at run time? Explain with an example.
(b) Give an example where interface can be used to support multiple inheritance.
- 4 (a) Give general form of a multileveled package statement, illustrate a java program that creates and package and uses it.
(b) Explain the way of implementing a package using java.io.
- 5 (a) Compare thread based and process based multitasking.
(b) What is exception? Explain Exception handling mechanism.
- 6 (a) Give overview of Java's event handling mechanism.
(b) Differentiate between grid layout and flow layout.
- 7 (a) Explain the steps in creating a subclass of frame with the help of example.
(b) Write the differences between applet and standalone applications.
- 8 What do you mean by URL? How do you create an URL? Explain several methods provided by URL? Give appropriate examples.
