

R07

Code: R7210302

B.Tech II Year I Semester (R07) Supplementary Examinations, May 2013

OBJECT ORIENTED PROGRAMMING

(Mechanical Engineering)

Time: 3 hours

Max. Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 (a) What is the difference between a message passing and a procedure call?
(b) Explain class hierarchies.
- 2 (a) Write a java program to find greatest common divisor of given two numbers.
(b) Write a java program to check whether the given number is palindrome or not.
- 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) Define an interface. Write a program which illustrates way to design and implement an interface.
(b) What are the advantages of packages?
- 5 (a) Write a java program that demonstrate the throws and throw statement.
(b) What is an exception handling mechanism? Why we need it?
- 6 (a) What is event delegation model? Explain it. What are the benefits of it?
(b) Define event. Give examples of events. Define event handler. How it handles events.
- 7 (a) What are the limitations of AWT?
(b) Discuss model view architecture.
- 8 (a) What is socket? What are the two important TCP sockets classes? Explain.
(b) Write a java program at server side that will receive a connection from a client send a string to the client and close the connection. Explain the program.
