Code No: V0524 $\qquad$ **R07** $\qquad$ SET - 1

II B. Tech II Semester, Supplementary Examinations, Dec – 2012
OBJECT ORIENTED PROGRAMMING
(Com. to CSE, CHEM, IT, ECC)

Time: 3 hours $\hfill$ Max. Marks: 80

Answer any **FIVE** Questions
All Questions carry **Equal** Marks
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1. a) Explain about objects-oriented paradigm?
    b) What are the concepts and benefits of objects oriented programming?   (8M+8M)

2. a) Explain the features of Java.
    b) What is meant by Dynamic Initialization? Explain with suitable example?   (8M+8M)

3. a) Explain the member access mechanism in inheritance with an example?
    b) What are the benefits of inheritance explain them in detail?   (8M+8M)

4. a) What is meant by Name space problem and Resolving Name Space problem and Resolving Name space problem in packages?
    b) How to importing packages explain in detail?   (8M+8M)

5. a) What is a thread? Explain the concept of a multi thread programming?
    b) Describe the life cycle of a thread.   (8M+8M)

6. Write short notes on the following
    a) Events
    b) Event sources
    c) Event Classes
    d) Delegation event model   (4M×4=16M)

7. a) Explain different ways of executing applets in Java
    b) Write a program to demonstrate applet life cycle   (8M+8M)

8. Write a short notes on
    a) Network socket
    b) Client/server
    c) Reserved socket
    d) Proxy Server   (4M×4=16M)

Code No: V0524 $\quad$ (**R07**) $\quad$ (SET - 2)

II B. Tech II Semester, Supplementary Examinations, Dec – 2012
OBJECT ORIENTED PROGRAMMING
(Com. to CSE, CHEM, IT, ECC)

Time: 3 hours $\hspace{6cm}$ Max. Marks: 80

Answer any **FIVE** Questions
All Questions carry **Equal** Marks
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1. Distinguish the following terms
   a) Objects and Classes
   b) Data abstraction and Data Encapsulation $\hspace{2.5cm}$ (8M+8M)

2. How many Data types are there in Java? Explain with ranges. $\hspace{1cm}$ (16M)

3. a) What is the use of 'super' key word and explain this by suitable example?
   b) What is the use of 'final' keyword and explain this by suitable example? $\hspace{0.5cm}$ (8M+8M)

4. a) What re the difference between Abstract Classes and Interfaces.
   b) How a class can implement multiple interfaces. $\hspace{2cm}$ (8M+8M)

5. What are the checked and unchecked exceptions? Explain some of these exceptions and also give the differences between them? $\hspace{4cm}$ (16M)

6. a) Write a program to demonstrate handling various mouse events?
   b) Write a program to display file dialog box in open mode. $\hspace{1.5cm}$ (8M+8M)

7. What is meant by Text components and explain different kinds of Text Components with suitable. $\hspace{8cm}$ (16M)

8. Write short notes on
   a) TCP
   b) UDP
   c) IP Address
   d) DNS $\hspace{6cm}$ (4M×4=16M)

Code No: V0524 $\qquad$ **R07** $\qquad$ SET - 3

II B. Tech II Semester, Supplementary Examinations, Dec – 2012
OBJECT ORIENTED PROGRAMMING
(Com. to CSE, CHEM, IT, ECC)

Time: 3 hours $\hspace{6cm}$ Max. Marks: 80

Answer any **FIVE** Questions
All Questions carry **Equal** Marks
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1. Explain different abstraction mechanisms possible in object oriented programming. (16M)

2. a) What is meant by variable? Explain the scope and lifetime of the variable.
   b) Explain about Arrays in Java. (8M+8M)

3. a) What is the difference between private and static variables?
   b) What are the difference between this and super keywords? (8M+8M)

4. What are the packages provided by Java API? Explain? (16M)

5. a) Explain about Exception Handling in JAVA.
   b) Explain the usage of try, catch and throw statements with suitable examples. (8M+8M)

6. Briefly explain about the following terms
   a) Event
   b) Frame
   c) Canvas
   d) Panes (4M×4=16M)

7. a) Define an Applet and Explain the life cycle of an Applet?
   b) How to passing parameter to Applets and Explain with an example. (8M+8M)

8. a) Explain briefly various legacy classes and interfaces in Java.Util package.
   b) Explain the use and different constructors of Java.Util Random class. (8M+8M)

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Code No: V0524 $\boxed{\text{R07}}$ $\boxed{\text{SET - 4}}$

II B. Tech II Semester, Supplementary Examinations, Dec – 2012
OBJECT ORIENTED PROGRAMMING
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Time: 3 hours   Max. Marks: 80

Answer any **FIVE** Questions
All Questions carry **Equal** Marks
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1. Distinguish the following terms
    a) Inheritance and polymorphism
    b) Dynamic Binding and Message passing   (8M+8M)

2. a) Explain about Type casting and explain its types with suitable examples?
   b) Define an operator? Explain about different types of operators with illustrations.   (8M+8M)

3. a) What is meant by Inheritance and Explain different forms of Inheritance with suitable Examples?
   b) What is an abstract class? What is its importance? How is it designed in Java?   (8M+8M)

4. a) Define an Interface and explain the mechanism of extending Interfaces?
   b) Explain BefferedReader class from I/O package with an example?   (8M+8M)

5. a) What is the difference between throw and throws statement explain with suitable examples?
   b) Explain briefly how to suspend, resume and stop threads.   (8M+8M)

6. Briefly explain the following terms.
    a) Component
    b) Container
    c) Panel
    d) Window   (4M×4=16M)

7. a) Explain what are the steps involved in creating Applets?
   b) Explain about combobox with an example.   (8M+8M)

8. a) Write a program to demonstrate the client server mechanism.
   b) Explain about Date, Random, Vector classes in Java,Util package.   (8M+8M)

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