Code No: R05312203   **R05**   **Set No. 2**

III B.Tech I Semester Examinations,November 2010
OOPS THROUGH JAVA
Instrumentation And Control Engineering

Time: 3 hours   **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks
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1. (a) Explain multithreading by creating multiple threads (more than two).

   (b) What is the use of is Alive( ) and join( ) functions in multithreading? [8+8]

2. (a) Explain about final classes, final methods and final variables?

   (b) Explain about the abstract class with example program? [8+8]

3. Write short notes on:

   (a) "whois" port

   (b) URL connection class

   (c) Datagram packet. [5+5+6]

4. (a) What is class? How does it accomplish data hiding?

   (b) What is a default constructor?

   (c) How many constructors can a class have?

   (d) What is the difference between invoking a copy constructor and using an assignment? [4+2+6+4]

5. (a) What is the functionality supported by java related to Fonts?

   (b) How using different fonts improves the user interface? [10+6]

6. Write a program to create an interface containing a static inner class. Implement this interface and create an instance of the inner class. [16]

7. (a) What kind things can become objects in OOP?

   (b) List few areas of application of OOP technology.

   (c) Write a program to convert the given temperature in Fahrenheit to Celsius using the following conversion formula C = (F - 32)/1.8
   And display the values in a tabular form. [4+4+8]

8. What are various layout managers available in JFC? List each of them with their functionality. Explain them with suitable examples. [16]

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Code No: R05312203　　　　　　$\boxed{\textbf{R05}}$　　　　　$\boxed{\textbf{Set No. 4}}$

III B.Tech I Semester Examinations,November 2010
OOPS THROUGH JAVA
Instrumentation And Control Engineering

Time: 3 hours　　　　　　　　　　　　　　　　　Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
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1. (a) What is class? How does it accomplish data hiding?
   (b) What is a default constructor?
   (c) How many constructors can a class have?
   (d) What is the difference between invoking a copy constructor and using an assignment?　　　　　　　　　　　　　　　　　[4+2+6+4]

2. Write a program to create an interface containing a static inner class. Implement this interface and create an instance of the inner class.　　　[16]

3. (a) What kind things can become objects in OOP?
   (b) List few areas of application of OOP technology.
   (c) Write a program to convert the given temperature in Fahrenheit to Celsius using the following conversion formula C = (F - 32)/1.8
      And display the values in a tabular form.　　　　　　　[4+4+8]

4. (a) Explain multithreading by creating multiple threads (more than two).
   (b) What is the use of is Alive( ) and join( ) functions in multithreading?　[8+8]

5. (a) What is the functionality supported by java related to Fonts?
   (b) How using different fonts improves the user interface.　　　　[10+6]

6. (a) Explain about final classes, final methods and final variables?
   (b) Explain about the abstract class with example program?　　　[8+8]

7. What are various layout managers available in JFC? List each of them with their functionality. Explain them with suitable examples.　　　　[16]

8. Write short notes on:
   (a) "whois" port
   (b) URL connection class
   (c) Datagram packet.　　　　　　　　　　　　　　　　[5+5+6]

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2

Code No: R05312203   **R05**   **Set No. 1**

III B.Tech I Semester Examinations,November 2010
OOPS THROUGH JAVA
Instrumentation And Control Engineering

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
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1. (a) What is the functionality supported by java related to Fonts?

   (b) How using different fonts improves the user interface?   [10+6]

2. Write a program to create an interface containing a static inner class. Implement this interface and create an instance of the inner class.   [16]

3. (a) What kind things can become objects in OOP?

   (b) List few areas of application of OOP technology.

   (c) Write a program to convert the given temperature in Fahrenheit to Celsius using the following conversion formula $C = (F - 32)/1.8$
   And display the values in a tabular form.   [4+4+8]

4. Write short notes on:

   (a) "whois" port

   (b) URL connection class

   (c) Datagram packet.   [5+5+6]

5. (a) Explain multithreading by creating multiple threads (more than two).

   (b) What is the use of is Alive( ) and join( ) functions in multithreading?   [8+8]

6. What are various layout managers available in JFC? List each of them with their functionality. Explain them with suitable examples.   [16]

7. (a) What is class? How does it accomplish data hiding?

   (b) What is a default constructor?

   (c) How many constructors can a class have?

   (d) What is the difference between invoking a copy constructor and using an assignment?   [4+2+6+4]

8. (a) Explain about final classes, final methods and final variables?

   (b) Explain about the abstract class with example program?   [8+8]

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Code No: R05312203 **R05** **Set No. 3**

III B.Tech I Semester Examinations,November 2010
OOPS THROUGH JAVA
Instrumentation And Control Engineering

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
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1. (a) What is the functionality supported by java related to Fonts?

   (b) How using different fonts improves the user interface?   [10+6]

2. (a) Explain multithreading by creating multiple threads (more than two).

   (b) What is the use of is Alive( ) and join( ) functions in multithreading?   [8+8]

3. Write short notes on:

   (a) "whois" port

   (b) URL connection class

   (c) Datagram packet.   [5+5+6]

4. (a) What is class? How does it accomplish data hiding?

   (b) What is a default constructor?

   (c) How many constructors can a class have?

   (d) What is the difference between invoking a copy constructor and using an assignment?   [4+2+6+4]

5. (a) Explain about final classes, final methods and final variables?

   (b) Explain about the abstract class with example program?   [8+8]

6. What are various layout managers available in JFC? List each of them with their functionality. Explain them with suitable examples.   [16]

7. Write a program to create an interface containing a static inner class. Implement this interface and create an instance of the inner class.   [16]

8. (a) What Kind things can become objects in OOP?

   (b) List few areas of application of OOP technology.

   (c) Write a program to convert the given temperature in Fahrenheit to Celsius using the following conversion formula C = (F - 32)/1.8

   And display the values in a tabular form.   [4+4+8]

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