II B.Tech I Semester Examinations,May/June 2012
OOPS THROUGH JAVA
Common to ME, MECT, MEP, AME, MMT
Time: 3 hours   Max Marks: 80
Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. (a) Write a program to create a class with an inner class. In a separate class, make an instance of the inner class.

   (b) Write a program to create a class with an inner class that has a non default constructor. Create a second class with an inner class that inherits from the first inner class.   [16]

2. (a) What is the purpose of using a method? How do you declare a method? How do you invoke a method?

   (b) What is method overloading? Can you define two methods that have same name but different parameter types? Can you define two methods in a class that have identical method names and parameter profile with different return value types or different modifier?   [8+8]

3. Explain the following methods of Object class.

   (a) clone()

   (b) finalize()

   (c) hashCode()

   (d) wait(long milliseconds)

   (e) getClass().   [16]

4. What are various JFC containers? List them according to their functionality. Explain each of them with examples.   [16]

5. Briefly explain:

   (a) TCP/IP server sockets

   (b) URL format

   (c) Factory methods

   (d) Instance methods.   [4+4+4+4]

6. (a) Write a short notes o the following graphics functions

       i. paint( )

     ii. repaint( )

     iii. update( )

(b) Define Canvas. Write a java program which creates a canvas and displays an image on it. [9+7]

7. (a) Explain throws statement in Java with the help of an example program.

(b) What is the difference between throw and throws statement? [8+8]

8. Write a program that will compute the following series:

(a) $1/1 + {}^1\!/_2 + 1/3 + \ldots\ldots + 1/n$

(b) $1/1 + {}^1\!/_2 + {}^1\!/_2{}^2 + \ldots\ldots + 1/2^n$. [8+8]

$\star\star\star\star\star$

II B.Tech I Semester Examinations,May/June 2012
OOPS THROUGH JAVA
Common to ME, MECT, MEP, AME, MMT

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. (a) Explain throws statement in Java with the help of an example program.

   (b) What is the difference between throw and throws statement?   [8+8]

2. Explain the following methods of Object class.

   (a) clone()

   (b) finalize()

   (c) hashCode()

   (d) wait(long milliseconds)

   (e) getClass().   [16]

3. Write a program that will compute the following series:

   (a) $1/1 + \frac{1}{2} + 1/3 + \ldots\ldots + 1/n$

   (b) $1/1 + \frac{1}{2} + \frac{1}{2}^2 + \ldots\ldots + 1/2^n$.   [8+8]

4. (a) What is the purpose of using a method? How do you declare a method? How do you invoke a method?

   (b) What is method overloading? Can you define two methods that have same name but different parameter types? Can you define two methods in a class that have identical method names and parameter profile with different return value types or different modifier?   [8+8]

5. What are various JFC containers? List them according to their functionality. Explain each of them with examples.   [16]

6. (a) Write a short notes o the following graphics functions

      i. paint( )

      ii. repaint( )

      iii. update( )

   (b) Define Canvas. Write a java program which creates a canvas and displays an image on it.   [9+7]

7. (a) Write a program to create a class with an inner class. In a separate class, make an instance of the inner class.

(b) Write a program to create a class with an inner class that has a non default constructor. Create a second class with an inner class that inherits from the first inner class. [16]

8. Briefly explain:

   (a) TCP/IP server sockets

   (b) URL format

   (c) Factory methods

   (d) Instance methods. [4+4+4+4]

⋆ ⋆ ⋆ ⋆ ⋆

II B.Tech I Semester Examinations,May/June 2012
OOPS THROUGH JAVA
Common to ME, MECT, MEP, AME, MMT

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. (a) Write a program to create a class with an inner class. In a separate class, make an instance of the inner class.

   (b) Write a program to create a class with an inner class that has a non default constructor. Create a second class with an inner class that inherits from the first inner class. [16]

2. Write a program that will compute the following series:

   (a) $1/1 + 1/2 + 1/3 + ... + 1/n$

   (b) $1/1 + 1/2 + 1/2^2 + ... + 1/2^n$. [8+8]

3. Briefly explain:

   (a) TCP/IP server sockets

   (b) URL format

   (c) Factory methods

   (d) Instance methods. [4+4+4+4]

4. (a) Explain throws statement in Java with the help of an example program.

   (b) What is the difference between throw and throws statement? [8+8]

5. What are various JFC containers? List them according to their functionality. Explain each of them with examples. [16]

6. (a) What is the purpose of using a method? How do you declare a method? How do you invoke a method?

   (b) What is method overloading? Can you define two methods that have same name but different parameter types? Can you define two methods in a class that have identical method names and parameter profile with different return value types or different modifier? [8+8]

7. (a) Write a short notes o the following graphics functions

      i. paint( )
      ii. repaint( )
      iii. update( )

   (b) Define Canvas. Write a java program which creates a canvas and displays an image on it. [9+7]

8. Explain the following methods of Object class.

    (a) clone()

    (b) finalize()

    (c) hashCode()

    (d) wait(long milliseconds)

    (e) getClass().   [16]

$\star\star\star\star\star$

II B.Tech I Semester Examinations,May/June 2012
OOPS THROUGH JAVA
Common to ME, MECT, MEP, AME, MMT

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
⋆ ⋆ ⋆ ⋆ ⋆

1. (a) Explain throws statement in Java with the help of an example program.

   (b) What is the difference between throw and throws statement?   [8+8]

2. What are various JFC containers? List them according to their functionality. Explain each of them with examples.   [16]

3. Write a program that will compute the following series:

   (a) $1/1 + \frac{1}{2} + 1/3 + ... + 1/n$

   (b) $1/1 + \frac{1}{2} + {\frac{1}{2}}^2 + ... + 1/2^n$.   [8+8]

4. (a) What is the purpose of using a method? How do you declare a method? How do you invoke a method?

   (b) What is method overloading? Can you define two methods that have same name but different parameter types? Can you define two methods in a class that have identical method names and parameter profile with different return value types or different modifier?   [8+8]

5. Briefly explain:

   (a) TCP/IP server sockets

   (b) URL format

   (c) Factory methods

   (d) Instance methods.   [4+4+4+4]

6. (a) Write a program to create a class with an inner class. In a separate class, make an instance of the inner class.

   (b) Write a program to create a class with an inner class that has a non default constructor. Create a second class with an inner class that inherits from the first inner class.   [16]

7. (a) Write a short notes o the following graphics functions

      i. paint( )
      ii. repaint( )
      iii. update( )

   (b) Define Canvas. Write a java program which creates a canvas and displays an image on it.   [9+7]

7

8. Explain the following methods of Object class.

    (a) clone()

    (b) finalize()

    (c) hashCode()

    (d) wait(long milliseconds)

    (e) getClass().   [16]

$\star\star\star\star\star$