

Code No. K0226

**R07**

**Set No.1**

**IV B.Tech II Semester Supplementary Examinations, July/August, 2012**

**OBJECT ORIENTED PROGRAMMING**

**(Electrical & Electronics Engineering)**

**Time: 3 hours**

**Max. Marks: 80**

**Answer any FIVE Questions**

**All Questions carry equal marks**

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1. a) Write a sample java program to print the Fibonacci numbers from 1 to 1000.  
b) Write java code that Implements tightly encapsulated classes and the relationships "is a" and "has a".
2. a) Explain the handling of multidimensional arrays with examples.  
b) Explain the usage of static variables and methods ?
3. a) Explain the method overriding with example.  
b) What is dynamic method dispatch? Explain with example.
4. a) What are the interfaces? Explain with example  
b) Write a sample Exception class of your own exception.
5. a) Explain the creation of multiple threads using Runnable interface. Explain with example.  
b) Explain the Synchronization of multiple threads with example.
6. a) What is anonymous inner class ? Explain with the code.  
b) Explain any four classes of java.io.util package.
7. a) Explain the class hierarchy of AWT components  
b) How to pass the parameters to an Applet ? Explain with example.
8. a) What are the various methods in URL class explain their usage.  
b) What are the Adapter classes? Explain with example.

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**Set No.2**

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**Time: 3 hours**

**Max. Marks: 80**

**Answer any FIVE Questions**

**All Questions carry equal marks**

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1. a) Explain the OOPS concepts.  
b) Write a sample java program to print n!( N Factorial numbers).
2. a) Explain the usage of “this” keyword with respect to variables and methods with example.  
b) What is Garbage collection? How to call the garbage collector explicitly?
3. a) Write the java code to show the usage of “final” and “super” key words.  
b) How to create a package and access that package from other packages? Explain with examples.
4. a) What are the differences between classes and interfaces?  
b) What is the Exception hierarchy? Explain any four exception classes.
5. a) Write code to define instantiate and start new threads using java.lang.Thread class.  
b) Write code using synchronized wait notify and notify All to protect against concurrent access problems and to communicate between threads.
6. a) Write a sample java program to read the bytes from a file file.txt.  
b) Write a sample java program to write the array of bytes to file2.tx t.
7. a) What are the character streams? Explain any four methods of the character streams  
b)What are various methods of Type casting ? Explain them with examples.
8. a) Explain any three methods to modify a String.  
b) How to pass the parameters to an Applet? Explain with example.

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**Set No.3**

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**OBJECT ORIENTED PROGRAMMING**

**(Electrical & Electronics Engineering)**

**Time: 3 hours**

**Max. Marks: 80**

**Answer any FIVE Questions**

**All Questions carry equal marks**

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1. a) Write a java program to multiply two matrices with help of multidimensional arrays.  
b) Write a sample java program that prints the name of all the months in a year and no of days in that month using switch statement.
2. a) Explain the usage of “this” keyword with example.  
b) Explain the usage of static variables and methods ?
3. a) Explain the any three methods to modify a String.  
b) What is multiple inheritance? Is it possible to implement in Java? Explain with example
4. a) What are the abstract classes ? Explain with example.  
b) Write the class hierarchy of Exception class and explain its methods.
5. a) Explain the creation of multiple threads using Runnable interface. Explain with Example.  
b) Explain the Synchronization of multiple threads with example.
6. a) Explain the handling of key events with example.  
b) What are the static inner classes? Explain with example.
7. a) Explain the class hierarchy of AWT components.  
b) Explain the Border, card, Grid AWT Layout Managers with example.
8. a).Write java code to receive stream of bytes from a client and print in a text document by using Server socket.  
b) How to pass the parameters to an Applet? Explain with example.

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**Set No.4**

IV B.Tech II Semester Supplementary Examinations, July/August, 2012

**OBJECT ORIENTED PROGRAMMING**

(Electrical & Electronics Engineering)

Time: 3 hours

Max. Marks: 80

Answer any FIVE Questions

All Questions carry equal marks

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1. a) Write a java program to print inverse of a matrix with help of Multidimensional arrays.  
b) Write a sample java program that prints the name of all the days of a week and the name of months in a year using switch statement.
2. a) Explain the usage of “super” keyword with example.  
b) Explain the usage of abstract variables and methods?
3. a) Explain the method overriding with example.  
b) What is dynamic method dispatch? Explain with example.
4. a) What are the interfaces? Explain with examples.  
b) Write a sample Exception class of your own exception.
5. a) Explain the creation of multiple threads using Thread class.  
b) Explain the Synchronization of multiple threads with example.
6. a) Explain the handling of key events with example.  
b) What are the Adapter classes? Explain with example.
7. a) Explain the class hierarchy of AWT components.  
b) Explain the Border, card, Grid AWT Layout Managers with example.
8. a) What is TCP/IP server socket program? Explain the methods of the class.  
b) How do you pass parameters to an Applet? Explain with example.