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4E2112

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B. Tech. (Sem. IV) (Main / Back) Examination, June/July - 2013
Electrical Engg.
4EE4 Computer Programming - II

Time : **3 Hours]**                    [Total Marks : **80**
                              [Min. Passing Marks : **24**

*Attempt any **five** questions. Selecting **one** question from **each**
unit. All questions carry **equal** marks. Schematic diagrams
must be shown wherever necessary. Any data you fell missing
suitably be assumed and stated clearly. Units of quantities
used/calculated must be stated clearly.*

Use of following supporting material is permitted during examination.
*(Mentioned in form No. 205)*

1. _____ **NIL** _____ .          2. _____ **NIL** _____

## UNIT - I

1    (a)   What is the difference between "Cp" command and the "MV"
          command ?

                                                                    8

     (b)   What is the use of having a command called "Sleep" ? and
          How will you terminate a job if it is running in the
          background ?

                                                                    8

### OR

1    (a)   When should you use the quotations (single or double) within
          an echo statement ? and Write down two advantages of using
          the pipe "l" command ?

                                                                    8

     (b)   What is the difference between "Comm", "Cmp" and "Uniq" ?
          and When should we use the "&" when issuing a command ?

                                                                    8

## UNIT - II

2    (a)   Explain different modes of Vi editor.

8

(b)   What are the different delete commands used in vi editor ?

8

### OR

2    (a)   How to start and Quit Vi ? Explain it.

8

(b)   Explain the colon commands in Vi.

8

## UNIT - III

3    (a)   C++ is an object oriented language older than Java, then why did Java replace C++ in most of the application development ?

8

(b)   Explain the security model of Java that makes it more secured than other languages.

8

### OR

3    (a)   Why is Java known to be multithreading ? How does it help Java in its performance ?

8

(b)   Explain the structure of a Java program.

8

## UNIT - IV

4    (a)   What is the differance between for, while and do while loops?

8

(b)   What are shift operators ? How many types of shift operators are available in Java ?

8

### OR

4  (a)  What is precedence and how precedence and associativity are useful in expression evaluation ?

8

   (b)  Explain the following :
        (i)   Variable
        (ii)  Keywords in Java
        (iii) Data types in Java
        (iv)  Break and continue.

8

### UNIT - V

5  (a)  What is an interface ? How is it different from an abstract class ?

8

   (b)  What are packages ? How are they created and used ?

8

### OR

5  (a)  Write a program to count the number of words and charactors in a string.  rtuonline.com

8

   (b)  Explain the difference between String and String Buffer.

8