4E2112

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 ?

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(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 ?

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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 ?

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

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UNIT - II

2 (a) Explain different modes of Vi editor.

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

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OR

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

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   (b) Explain the colon commands in Vi.

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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 ?

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

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OR

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

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   (b) Explain the structure of a Java program.

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UNIT - IV

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

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

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OR

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

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

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UNIT - V

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

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

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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.

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