4E2112

B.Tech. IVth Semester (Main/Back) Examination, June - 2010
Electrical Engineering
4EE4 Computer Programming - II

Time : 3 Hours

Maximum Marks : 80

Min. Passing Marks : 24

Instructions to Candidates:

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

Unit - I

1. Describe the following unix commands : (4×4)

   i) dos dir and dos CP   ii) Chmod and banner

   iii) mkdir and rmdir   iv) bc and factor.

OR

a) You can have files as well as directories in your main directory. How will you distinguish them using. Is command in Unix. Write down three methods?(12)

b) What do you mean by "filters" in unix? Explain any two. (4)

Unit - II

2. a) What is role of VI editor? Explain text entry and command mode. (4+2+2)

   b) How ~~can we switch from one mode to another show it through a neat diagram.~~

OR

a) Explain the string replacement commands. (8)

OR

a) What is the difference between a null array and an array of length zero? **(4)**

b) Write a Java Program to read a matrix, transpose it and print the input matrix and transposed matrix. **(12)**

Unit - IV

4. a) Write a program in Java to find maximum among three numbers 7,8 and 9. **(10)**

   b) Write the short note on : **(3+3)**

   i) Switch and loop statements.

   ii) Operator precedence and Bitwise operator.

OR

a) Write a program in Java to check weather 15 is a prim number or not. **(8)**

b) Write the short note on : **(4+4)**

   i) Do while and while statement.

   ii) Boolean logic operators.

Unit - V

5. a) What is package? How do we design a package? **(4+8)**

   b) Write short note on : I/O streams in Java. **(4)**

OR

a) Explain the complete life cycle of an applet. Write steps to compile and execute an applet. **(10)**

b) Write the short note on : Importing and defining packages. **(6)**