01/07/2016

4E2112

Roll No. _____ Total No of Pages: 4

4E2112

B.Tech. IV-Sem (Back) Exam; June-July 2016
Electrical Engineering
4EE4(O) Computer Programming-II

Time: 3 Hours

Maximum Marks: 80
Min. Passing Marks (Main & Back): 26
Min. Passing Marks (Old Back): 24

Instructions to Candidates:-

*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 feel 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._____ 2._____

UNIT-I

Q.1 Explain the following commands of Unix:- [Syntax with explanation + an example]. [2×8=16]

(a) Cat

(b) LS

(c) BC

(d) Touch

(e) Banner

(f) U limit

(g) WC

(h) Pg

OR

Q.1 Explain the following commands of Unix:- [syntax with explanation + an example]. [2×8=16]

(a) CP

(b) Who

(c) Grep

(d) Sort

(e) Cal

(f) dd

(g) du

(h) lp

UNIT-II

Q.2 Which commands are used for performing the following operations in VI editor, explain:- [2×8=16]

(a) To move up one line.

(b) To move down one line

(c) Delete a line

(d) Abandon the editor & return to shell

(e) Undo the last command

(f) Screen Scrolling

(g) Deleting & changing Text

(h) Moving Block

OR

Q.2 Which commands are used for performing the following operations in VI editor, explain:- [2×8=16]

(a) String replacement

(b) Display terminal setting

(c) Break a line if it is two long

(d) Shifting a block of code in left

(e) Spell checking

(f) Page break

(g) Delete all comment lines

(h) Double spacing between lines

UNIT-III

Q.3 (a) How JAVA is different from C++? List the advantages of JAVA in comparison with C++? [8]

(b) What are the various data types used in JAVA? Explain in brief. [8]

OR

Q.3 (a) Write short notes on:- [2×4=8]

(i) JAVA byte code

(ii) JAVA Virtual machine

(b) What are applets in JAVA? How they are used? What are their advantages? [8]

UNIT-IV

Q.4 (a) Explain Bitwise & Bit shift operators in JAVA using suitable examples. [8]

(b) What are the various branching statements supported by JAVA. Give appropriate examples also. [8]

OR

Q.4 (a) Explain Equality, Relational and conditional operators in JAVA using suitable examples. [8]

(b) Explain the while and do – while statements in JAVA using a program. Differentiate between these two statements. [8]

UNIT-V

Q.5 (a) What are packages? How they are defined in JAVA. Explain using an example importing a JAVA Package. [8]

(b) How interfaces are defined and implemented in JAVA. [8]

OR

Q.5 Write short notes on the followings: - [4×4=16]

(a) Applets in JAVA

(b) Awt tools & controls

(c) Mouse & keyboard interfaces

(d) String handling
