

4E2112

Roll No. _____

Total No. of Pages : 4

4E2112

B. Tech. IV-Sem. (Main / Back) Exam; April-May 2017
Electrical Engg.
4EE4 Computer Programming-II

Time : 3 Hours

Maximum Marks : 80
Min. Passing Marks : 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.

1. NIL

2. NIL

UNIT - I

1 (a) Explain the following Unix commands :

- (i) cp
- (ii) ls
- (iii) cal
- (iv) rm
- (v) banner
- (vi) date

using appropriate syntax.

2×6

4E2112 |

1

[P.T.O.

- (b) Write short notes on file system in Unix.

4

OR

- 1 (a) Explain the following Unix commands :

- (i) cat
- (ii) wc
- (iii) grep
- (iv) sort

3×4

- (b) Write the names of commands that perform following operation :

- (i) Places one or more files in the line printer queue.
- (ii) Deletes empty directories from the file system.
- (iii) Reports how much space is used by a directory.
- (iv) Evaluates an expression.

1×4

UNIT - II

- 2 (a) What is vi editor ? Explain different modes of operation in vi editor.

8

- (b) Explain the following vi command :

- | | |
|---------|----------|
| (i) h | (ii) j |
| (iii) K | (iv) X |
| (v) V | (vi) r |
| (vii) a | (viii) R |

1×8

OR

- 2 Write short notes on :

- (i) Cursor movement commands.
- (ii) String replacement commands.

8×2

UNIT - III

3 Write short notes on :

- (i) Java virtual machine (JVM).
- (ii) Java byte code.
- (iii) Applets of Java.

8+4+4

OR

3 (a) How Java is different from C++ ?

5

(b) What are data types in Java ? Explain various data types in detail.

8

(c) What is the structure of a Java program.

3

UNIT - IV

4 (a) Write a Java program that prints table of a given number n.

8

(b) Explain the followings :

- (i) Relational operators.
- (ii) Boolean logic operators.

4×2

OR

4 (a) Write a Java program to generate the Fibonacci series.

8

(b) Write short notes on :

- (i) Switch statement.
- (ii) Operator precedence.

4×2

UNIT - V

- 5 (a) What is a package ? How package is defined in Java ? Explain user defined package.

8

- (b) What is applet ? How applets are implemented ? How applets are useful in programming ?

8

OR

- 5 (a) What is an interface ? How interfaces are defined and implemented in Java ?

8

- (b) Write short note on awt tools and control.

8
