Q.28 What is an array? How an array is declared.

Q.29 Write a short note on ordering data on a selected key.

Q.30 What are the keywords in C. What restrictions apply to their use.

Q.31 What is the use of pointer. How pointer variable is declared. Explain briefly.

Q.32 Tell the purpose of switch statement.

Q.33 Write short note on information storage.

Q.34 Write short note on Mat Lab.

Q.35 Explain the basic concept of PLC.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Explain various software applications of I & C Engineering.

Q.37 How function declaration differs from function definition? Write a C program to show function calling by passing a value.

Q.38 Differentiate between while loop, Do while loop and for loop.

4th Sem. / Eltx, EI, IC, Med.Eltx, GE, Power Eltx
Subject:- Comp. Prog. & Applications

Time : 3Hrs.   M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 Which of these is NOT a relational or logical operator?
a) =   b) ‖
c) ==   d) !=

Q.2 Loops in C Language are implemented using.?
a) While Block   b) For Block
c) Do While Block   d) All of the above

Q.3 Operator % in C language is called?
a) Percentage Operator
b) Quotient Operator
c) Modulus
d) Division

Q.4 An array Index starts with?
a) -1   b) 0
c) 1   d) 2

Q.5 What are types of Functions in C Language?
a) Library Functions

b) User Defined Functions

c) Both Library and User Defined

d) None of the above

Q.6 Types of Integers are?

a) Short   b) Int

c) Long   d) All of the Above

Q.7 Choose correct statement about Functions in C Language.

a) A Function is a group of c statements which can be reused any number of times.

b) Every Function has a return type.

c) Every Function may no may not return a value.

d) All of the above.

Q.8 How many values can a C Function return at a time?

a) Only One value

b) Maximum of two values

c) Maximum of three values

d) All of the above

Q.9 Types of real numbers in C are?

a) Float   b) Double

c) Long double   d) All of the above

Q.10 Each statement in a C program should end with.?

a) Semicolon ;

b) Colon :

c) Period . (dot symbol)

d) None of the above

SECTION-B

Note: Objective type questions. All questions are compulsory.   (10x1=10)

Q.11 Write the purpose of if statement.

Q.12 Define constant.

Q.13 Give the syntax of function prototype

Q.14 In C, upper and lower cases letter are same. (True/False)

Q.15 What is the use of address operator in C.

Q.16 Define Increment operator.

Q.17 Write one example of arithmetic operator.

Q.18 Write difference between call by value and call by reference.

Q.19 Write down the difference between = and ==?

Q.20 What is the use of print statement.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions.   (12x5=60)

Q.21 Write a short note on querying database file on single and multiple key.

Q.22 Differentiate between variable and constant.

Q.23 list any four benefits of pointers.

Q.24 Differentiate between actual and formal arguments.

Q.25 Explain different components of function with suitable example.

Q.26 Explain with example local and global variables.

Q.27 Explain DCS software in brief.