

- Q.27 Explain any two types of operator used in 'C' language.
- Q.28 Write a short note on following field, record, and table.
- Q.29 Define hardware & software.
- Q.30 Write a short note on multi dimensional array.
- Q.31 Draw flow chart to find sum of two variable
- Q.32 What is MATLAB?
- Q.33 Write a short note on compiler and interpreter.
- Q.34 Explain data base management system.
- Q.35 Explain Printf & Scanf in 'C' language.

SECTION-D

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

- Q.36 Explain the various types of operator used in 'C' languages in brief.
- Q.37 Explain the structure of a C program and explain it with help of an example.
- Q.38 Write the name of various application software used in Instrumentation & control engineering.

No. of Printed Pages : 4
Roll No.

121543/031043

4th Sem / Eltx, EI, IC, Med. Eltx, GE, Power Eltx
Subject:- Computer Programming and Applications

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 'C' is _____ type of programming language.
a) Object-oriented b) Bit level language
c) Procedural d) Functional
- Q.2 C language was invented in which laboratories?
a) Uniliver Labs b) IBM Labs
c) AT & T Bell Labs d) Vericon Labs
- Q.3 A nibble is a string of how many bits?
a) 2 b) 4
c) 3 d) 8
- Q.4 What will be the result of this statement "printf ("%d", 9(a++))"?
a) Error b) a+1's value
c) a's value d) 9* a's value

- Q.5 Which type of language is "C"?
- a) High level Language
 - b) Low level
 - c) Low + High
 - d) None
- Q.6 What is the symbol of void main?
- a) ()
 - b) {}
 - c) (())
 - d) []
- Q.7 Expand CPA
- a) Computer program application
 - b) Common program application
 - c) Computer programming application
 - d) Common programming application
- Q.8 Who invented 'C' Language?
- a) Charles Babbage
 - b) Grahambel
 - c) Dennis Ritchie
 - d) Steve Jobs
- Q.9 In the C language, the constant is defined.
- a) Anywhere in the starting on a new line
 - b) Before main
 - c) After main
 - d) None of the above
- Q.10 What does declaration means?
- a) X is a four digit integer
 - b) X cannot be greater than a four digit integer
 - c) X is a 4 bit integer
 - d) None of these

SECTION-B

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

- Q.11 Which symbol is used to input value in flow chart?
- Q.12 What is main ()?
- Q.13 What is an interpreter?
- Q.14 What is machine language?
- Q.15 What is a flowchart?
- Q.16 Define constant.
- Q.17 Define variable.
- Q.18 What are compilers?
- Q.19 What is an array?
- Q.20 Expand MATLAB.

SECTION-C

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

- Q.21 Write the difference b/w data types and information.
- Q.22 Write a short note on ordering the data on a selected key.
- Q.23 Explain header files used in 'C' language.
- Q.24 Explain DCS.
- Q.25 Write a short note on identifier and declaration.
- Q.26 Write the commercial uses of computer.