

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

(2)

121543/031043

### SECTION-B

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

- Q.11 Which is symbol is use 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 compiler?
- 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.

(3)

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

(1) 121543/031043

- 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.

(4) 121543/031043

(00)