

No. of Printed Pages : 4 181034/171034/121034
Roll No.

3rd Sem / Eltx., Mechatronics, Med., Eltx

**Subject:- Computer Programming
using C / Camp prg. & App**

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 The predecessor of C language is .
a) C# b) B
c) C++ d) None of these
- Q.2 The only function required in each C program is.
a) clrscr() b) Main()
c) Exit() d) None of these
- Q.3 Which loop is an exit-controlled loop.
a) For b) While
c) Switch-Case d) Do-while
- Q.4 Which symbol is used in each line of C program.
a) ' b) "
c) @ d) ;
- Q.5 The extension of C language is.
a) B b) C#
c) C++ d) None of these

(1) 181034/171034/121034

- Q.6 An integer in C is stored in .
a) 2 bytes b) 2 byte
c) 8 bytes d) None of these
- Q.7 A pointer stores _____ of another variable.
a) Data b) Address
c) Operator d) None of these
- Q.8 What is the size of char variable.
a) 1 byte b) 2 bytes
c) 4 bytes d) 8 bytes
- Q.9 How many reserved words are there in C .
a) 8 b) 16
c) 32 d) 64
- Q.10 1010 >> 2
a) 0001 b) 0101
c) 0010 d) None of these

SECTION-B

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

- Q.11 What do you mean by postfix decrement?
- Q.12 Which loop is executed at least once; even if the condition is false?
- Q.13 What is the difference between getch and getche?
- Q.14 What is the function of ^ operator?

(2) 181034/171034/121034

- Q.15 Explain difference between algorithm and flowchart.
- Q.16 Name two header files used in C.
- Q.17 What is subscript in C?
- Q.18 What is the output of following C code.
`0!=1?1:0;`
- Q.19 Explain the difference between void main () and int main ().
- Q.20 Explain difference between local and global variables.

SECTION-C

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

- Q.21 Write an algorithm to multiply two numbers.
- Q.22 Explain different data-types in C.
- Q.23 Elaborate compiler and interpreter.
- Q.24 Explain difference between actual and dummy arguments.
- Q.25 Write a program in C to find the circumference of a circle.
- Q.26 Explain flowchart with neat diagrams of symbols.
- Q.27 Explain difference between = and ==.
- Q.28 Elaborate the characteristics of C.

(3) 181034/171034/121034

- Q.29 Explain role of scanf() and printf() in C.
- Q.30 Explain switch-case statements in C with proper examples.
- Q.31 Explain the difference between break statement and exit() function in C.
- Q.32 Explain logical operators in C with examples.
- Q.33 Explain PDL in detail.
- Q.34 Explain functions in C with examples.
- Q.35 Explain the process of conversion of source program to object program & object program to executable file in C.

SECTION-D

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

- Q.36 Elaborate the difference between call by value & call by reference methods of parameter passing.
- Q.37 Explain Relational & Bitwise operators in C.
- Q.38 Explain Escape Sequences in C.

(1340)

(4) 181034/171034/121034