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Roll No.

181034/171034/121034

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

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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 these 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 decrementation?

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 \ddagger operator?

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- 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.

- 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 PDLC 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.