

No. of Printed Pages : 4
Roll No.

180836/170836/082435

3rd Sem / Computer Engineering/ Mechtronics
Subject:- programming in C

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 C is a..... language.
a) Middle level b) Low level
c) High level d) Machine level
- Q.2 How many keywords are there in C language?
a) 31 b) 42
c) 32 d) 33
- Q.3 The operator += is an example ofoperator
a) Increment b) arithmetic
c) relational d) assignment
- Q.4 Character constant should be enclosed between
a) Single quotes b) Double quotes
c) Both A and B d) none of these

(1) 180836/170836/082435

- Q.5 Which function is used to find the length of a string?
a) Strncpy b) Strlen
c) Strrev d) Strnstr
- Q.6 Name of & operator is.....
a) address b) indirection
c) dereferencing d) arithmetic
- Q.7 %d is used to represent which data type?
a) Char b) float
c) double d) int
- Q.8 Which keyword is used for declaration of structures?
a) Structure b) Struct
c) Stru d) none of these
- Q.9 Which header file includes printf() function?
a) Conio.h b) stdio.h
c) string.h d) output.h
- Q.10 In C, size of an int variable isbytes.
a) 2 b) 4
c) 8 d) 6

SECTION-B

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

- Q.11 Who developed C?
Q.12 Define flowchart?

(2) 180836/170836/082435

- Q.13 Name any two primary data types used in C language
- Q.14 Write the syntax of for loop.
- Q.15 Define pointer.
- Q.16 What is the difference between variable and constant?
- Q.17 Write any two logical operators
- Q.18 Name any two string related functions.
- Q.19 Define function
- Q.20 Define keyword with example

SECTION-C

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

- Q.21 Explain the different symbols used in flowchart.
- Q.22 Write an algorithm to find the area of circle.
- Q.23 Define and explain any four operators used in C language?
- Q.24 What are the different formatted input and output functions ? Explain in brief.
- Q.25 Explain for loop with example.
- Q.26 Write a C program to swap two numbers.
- Q.27 Explain the use of switch statement with example.
- Q.28 What is a pointer ? Write the syntax to declare and initialize a pointer variable.

(3) 180836/170836/082435

- Q.29 Differentiate between structure and union.
- Q.30 Define array .Explain 1-D array with example
- Q.31 What is the difference between call by value and call by reference?
- Q.32 What is a function ? What are the two principle components of function definition?
- Q.33 Explain any two string manipulation functions.
- Q.34 What are the different data types used in C? Explain in brief.
- Q.35 Distinguish between Break and continue statement.

SECTION-D

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

- Q.36 What are the different steps involved in development of a program ? Explain each step in detail.
- Q.37 Write a program to find the factorial a given number.
- Q.38 Differentiate between while loop and do while loop with the help of suitable example.

(2160)

(4) 180836/170836/082435