

Date:- 25/03/2022

Examination Roll No:- 21312915017

Name of Program:- B. Tech (Information Tech.  
and Mathematical Innovation)

Semester:- I<sup>st</sup> Sem.

Unique Paper Code:- 32861103

Title of the Paper:- Automating Real world through  
Programs: Programming Fundamentals.

### Solution 3

The key features of C Programming Language are:-

a) Procedural language:-

There are predefined instructions in C are carried out step-by-step.

b) Fast and efficient:-

The new languages like Python offers more features than C lang. but due to additional processing, their speed gets slow down.

→ C also helps us in direct manipulation of computer hardware, as it is a mid-level programming language.

c) Use of Libraries:-

In C lang, its functionality are stored in some small libraries, which the programmer access according to their need, this feature increases the speed of program.

Also, these libraries contains most of the functions we commonly use in programming.

d) C language is a very frequently used language.

→ The OS, i.e., Windows, Linux, Android, etc are written in this language.

→ Database like SQL, Oracle, etc are written in this language.

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(e) C performs no-run time error checking.  
~~eg.~~ no error check is performed to ensure the string boundaries are not over limit.

(f) C can help us to directly access the memory address using pointers. These pointers can also be used for memories, structures, strings, arrays, etc.

(g) C is also a case sensitive language.  
i.e. 'A' & 'a' are different entities.