841

Total pages : 03   Roll No. ....

DIT-06

Introduction to Computer Programming Using C

Diploma in Information Technology
(DIT-17)
Examination 2021 (Winter)

Time : 2 Hours   **Max. Marks:100**

Note : This paper is of hundred (100) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section-A

(Long Answer-type questions)

Note: Section 'A' contains Five (05) long-answer-type questions of Twenty Six (26) marks each. Learners are required to answer any two (02) questions only.

(2 x 26=52)

Q.1.   What is an operator? Explain the arithmetic, relational, logical, and Bitwise operators in C language.

Q.2   What is decision and control structure? Define at least 5 control structures with suitable example.

P.T.O.

Q.3   What is 'structure' in C programming? Write a C program to maintain a record of "n" student details using an array of structures with four fields (Roll number, Name, Marks and Grade). Each field is of an appropriate data type. Print the marks of the student given student name as input.

Q.4   What is an array? Write a C program to search a particular roll no in an array. If that roll no. exist in an array print "number is present" else print "number is absent".

Q.5   What are the different types of data files, for future reference and analysis in c programming language? Explain it. Write a program to read a notepad file and display its contents on the computer screen.

Section-B
(Short Answer-type questions)

Note: Section 'B' contains Eight (08) short-answer-type questions of Twelve (12) marks each. Learners are required to answer any four (04) questions only.

(4 x 12=48)

Q.1   Draw a flowchart to find whether the number is even or odd.

Q.2 List any 5string library functions used in c programming language with suitable examples.

Q.3 Explain recursion with examples.

Q.4 What do you mean by C character set, C variable, C constants? Explain in detail.

Q.5 Define storage classes in C. Write importance of storage classes .

Q.6 Distinguish between break and continue.

Q.7 What are escape sequences explain atleast 5 escape sequence with suitable example.

Q.8 Write a program to find the greatest number among the three numbers using nested if else?

****