

Roll No.

Total Pages : 2

GSE/M-21

1497

COMPUTER SCIENCE

(Programming in 'C')

Paper-I

Time : Three Hours]

[Maximum Marks : 40

Note : Attempt *five* questions in all, selecting *one* question from each unit in addition to Compulsory Question No. 1. All questions carry equal marks.

Compulsory Question

1. (a) Explain structure of a 'C' program. 2
- (b) Elaborate on type casting in C language. 2
- (c) What are the differences between break and continue. 2
- (d) Write short note on structure in C language. 2

UNIT-I

2. Explain the following in 'C' language with suitable examples :
 - (a) Keywords. 4
 - (b) Data types. 4
3. Explain various unformatted and formatted Input / Output Functions in 'C' language with suitable examples. 8

UNIT-II

4. Discuss various types of operators available in 'C' language. Also write down the precedence of operators. 8
5. Explain if-else' and 'nested if' statements in 'C' language with suitable examples. 8

UNIT-III

6. Explain the while and do-while loop control structures in 'C' language. Give examples. 8
7. Explain various parameter passing techniques used in 'C' language using examples. 8

UNIT-IV

8. Explain different types of storage classes available in 'C' language along with their purpose, scope, storage and lifetime. 8
 9. Define Array. Explain various types of Arrays. How the arrays are declared, initialized and processed in 'C' language. Give examples. 8
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