

Roll No.

Total Pages : 03

GSE/D-23

1126

PROGRAMMING IN C
BCA-116

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (a) Write a short note on C Character Set and Keywords. 4
- (b) Explain the concept of typecasting and conversion in C language. 4
- (c) Explain break and continue statements in C language with examples. 4
- (d) What is string ? Write any small program of your choice in C language depicting use of string. 4

Unit I

2. How are variable and data types interrelated ? Elaborate on various data types in C language along with suitable examples. 16

3. Write and explain syntax of various unformatted and formatted I/O functions in C language along with suitable examples. 16

Unit II

4. Define Operator. Discuss arithmetic, relational and logical operators in C language along with their hierarchy and suitable examples. 16
5. Discuss IF statement, IF-ELSE statement, Nested IF statement and ELSE-IF ladder in C language along with suitable examples. 16

Unit III

6. What is looping ? How do we implement looping in C language ? Explain while, do-while and for statement in C language with suitable examples. 16
7. Explain the parameter passing techniques in C language along with suitable examples. 16

Unit IV

8. How do we define storage classes in C language ? Explain purpose, scope, storage and lifetime of each and every storage class. Give suitable examples also. 16

9. How are arrays declared, initialized and processed in C language ? Write a program to find average of marks obtained by all students of a class in a particular subject.

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Shiksha Sanchar