GSE/D-22 mislax

1166

PROGRAMMING IN Company 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) What is the role of comments? How comments can be written in C?
 - (b) Differentiate between getch(), getche() and getchar().
 - (c) Differentiate between break and continue.
 - (d) What is recursion?
 - (e) Why goto statement should be avoided in a program?
 - (f) How arrays can be initialized?
 - (g) What is meant by typecasting?
 - (h) How can you declare a string in C? 8×2=16

Unit I

Explain structure of a C program using suitable

8

8

Explain various data types in C.

		example. 8
3.	(a)	What is the difference between constants and
		variables? How can we declare constants in C?
		Explain using suitable examples.
	(b)	Explain various I/O functions in C using suitable
	,	examples. 8
		Unit II
4.	Desc	cribe various operators in C along with their hierarchy
	and	associativity.
5.	(a)	Write a program in C to find greatest among three
	` '	numbers

Unit III

switch statement.

Discuss switch statement with the help of suitable

examples. Also discuss all the possible cases in

6. (a) Write a program in C to find the sum of the digits of the input number.

(b)

2.

(a)

(b)

- (b) What do you understand by function? Explain the various benefits of using functions.
- Describe various types of loops in C with the help of suitable examples.

Unit IV

- 8. Explain various storage classes in C in detail. 16
- What do you mean by array? Explain various types of arrays in detail. Write a program in C to biggest of n numbers.