(i) Printed Pages: 4	(i)	Printed	Pages	:4
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Roll No.

(ii) Questions :9]

Sub. Code : 0 9 1 4

Exam. Code : 0 0 2 7

Bachelor of Computer Applications 1st Semester Examination

1127

PROBLEM SOLVING THROUGH C Paper: BCA-16-104

Time: 3 Hours]

[Max. Marks: 65

Note: Attempt one question from each Unit and the entire Compulsory question. All questions carry equal marks.

Discuss various appropriate with examples. Unit-I

- 1. (a) What do you mean by a Flow Chart? How does it differ from a decision table?
 - (b) What are the data types in C language? 7,6
- 2. (a) What are Operators? What are the different categories of operators?

NA-413

(1)

Turn Over

- (b) Why the header file stdio.h is frequently used in C language?
- (c) What are type specifications in C language? 7,3,3

- Unit-II

- 3. (a) Differentiate between if and if-else statements.
 - (b) What is the purpose of switch-case statement?

 What is the role played by break statement within a Switch Statement?

 7,6
- 4. (a) Give built-in functions in C.
 - (b) How do you pass arguments to the function?

 Discuss various approaches with examples. 7,6

Unit-III

- 5. (a) How do you declare and initialize a one dimensional array?
 - (b) Write a program in C to sort an array of numbers.

NA-413

(2)

STEEL AND

7.6

6.	(a)	How do you declare a pointer variable? How	V
		do you access values by using the pointers?	•
	(b)	What do you mean by Dynamic Memor	У
		Allocation?	7,6
		Unit-IV	1,7 -
7.	(a)	What is a String Variable? How do yo	ou
		declare and initialize a string variable? Given	ve
		three build-in string functions and their use.	
	(b)	What are the various file opening modes	?
		What is the significance of each?	7,6
8.	(a)	How do you define and declare a structure	in
		a C program ? What are nested structures	?
	(b)	Differentiate structures and arrays.	7,6
		Compulsory Question	
9.	(a)	What is an Arithmetic Expression?	2
	(b)	What is an Algorithm ?	2
N	A -	413 (3)	Turn Over

(c)	Give two features of C language.	2
(d)	What are floor() and ceil() functions?	2
(e)	What is a Pointer Variable ?	2
(f)	What is the significance of goto statement?	2
(g)	What is stdio.h file?	1

NA-413

(4)

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