				171	
(i) Pr	rinted Pages: 3	Ro	ll No		••••••
(ii) Q	uestions : 9	Sub. Code	e : 1	3 4	0 3
		Exam. Code	e :	5 0	4 1
Bach	elor of Compute	er Application	(FYUP) 1st Sem	ester
· .		(2124)			
	PROBLEM	SOLVING TH	IROUG	н с	
à e	P	aper—BCA103	3		
Time A	llowed: Three	Hours	[Maxin	num Mar	ks: 45
Note :-	-Attempt FIVE of each from Unit				
1. (a)	What is an Algorithe students who Take the marks	have got less th	nan 60%	6 marks in	
(b)	What is the st you understand program?				
2. (a)	What are variou		pportec	l in C?W	hat are
(b)	Discuss arithme	tic, logical and	relation	nal operate	ors with

the help of examples.

UNIT-II

- (a) How to use else_if ladder in a program? Explain the help of example code.
 - (b) Explain while, do_while and for loops and give differences between them. Give examples.

 4
- (a) Define a function to check whether given number is prime or not. Use this function in a program to print all the prime numbers between 1 and 100.
 - (b) Explain storage classes in C.

UNIT—III

4

- 5. (a) Write a program to find 2nd maximum element in an array.
 - (b) How to pass 2-dimensional array to a function? Explain with the help of example program.
- 6. (a) Write a program to find maximum element in each row in a two dimensional array.
 - (b) Discuss pointer to an array and array of pointers with the help of suitable example code.
 4

UNIT-IV

- 7. How to declare and initialize string variables? Discuss any four string handling functions with the help of syntax and examples.
- 8. How to declare, initialize and use structures in a program? Explain with the help of example program. Discuss the concept of nested structures as well.

UNIT-V

(a)	Explain keywords and constants with the help of	suitable
	examples.	2

- (b) What is the use of goto statement in a program? Give example.
 2
- (c) What is the use of address operator and indirection operator?
- (d) What is a Union? How is it different from a structure?
- (e) What is the use of break statement in a program?

13403/PD-12917