

DE-3702

First Year B. C. A. (Sem. I) Examination March/April - 2016

104: Computer Programming & Programming

	Methodology	_
Time: 3	B Hours]	[Total Marks: 70
Instruct	tions :(1)	
Fillup str Name of t	ાલ → નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. rictly the details of → signs on your answer book. the Examination : Year B. C. A. (Sem. I)	Seat No.:
Name of t	the Subject :	1 (
◆ 104 : C	Computer Programming & Programming Methodology	1
Subject C	Code No. : 3 7 0 2 - Section No. (1, 2,): NIL	Student's Signature
(2) All	questions are compulsory.	
(3) Fig	ure to the right indicate full marks.	
(4) Mei	ntion your options clearly.	
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12)	Swer in short: (any ten) Give the advantage of flowchart. What is difference between compiler: What is keyword? Explain: Operator. What is type casting? Explain infinite loop. Explain continue statement. How to create write comment in C? What is nested loop? What is use of NULL in string? Explain putchar() in detail. What is error? Explain #include.	and interpreter ?
2 Exp (a) (b) (c) (d)	Dlain following questions in detail: (an Explain types of error in detail. Write a short note on data types. Write a short note on debugging. List all categories of operator in C. E.	

and relational operator in detail.

Explain Jumping statement in detail.

(e)

3	Ans	swer the following questions : (any three)	18
	(a)	Write a short note on scanf () and printf () function.	
	(b)	Differentiate entry control loop and exit control loop.	
	(10)	Explain for loop in detail.	
	(c)	Explain switch case.	
	(d)		es
	(e)	Write a short note on arrays.	
4	Atte	empt the following questions: (any three)	18
	(a)	Explain If conditional statement in detail.	
	(b)	Differentiate	
	Ì	(1) = and = =	
		(2) Pre decrement and post decrement.	
	(c)		
	(d)		
	(e)	What is constant? How to create constant in C?	
	` '	What is difference between constant and variable?	
5	Atte	empt any one:	6
	(1)	Write an algorithm and draw flowchart to check given number is Armstrong or not.	
	(2)	Write an algorithm and draw flowchart of Fibonacci	
		series.	
_	A	OR	0
5		empt any one:	6
	(1)		
	(2)	Count the occurrence in character in a given string.	
	(2)	Write a program to reverse a number.	