

HCM-003-1021002 Seat No. _____

P. G. D. C. A. (Sem. I) (CBCS) Examination

October - 2017

CS - 02 : Problem Solving Methodologies & Programming in C

Faculty Code: 003

Subject Code: 1021002

Tim	e: 2	$2\frac{1}{2}$ F	Hours] [Total Mark	ts: 70
1	(a)	Atte	empt following questions:	4
		(1)	What is Keyword?	
		(2)	What is Operator ?	
		(3)	C Language has been developed by	
		(4)	What is Dry-run ?	
	(b)	Atte	empt any one :	2
		(1)	What is Variable ? Explain rules of Variable declaration.	.e
		(2)	Explain Arithmetic and Logical Operators.	
	(c)	Atte	empt any one :	3
		(1)	Explain Hierarchy of Operators with example.	
		(2)	Explain symbols of Flowchart with its name an uses.	d
	(d)	Atte	empt any one :	5
		(1)	Explain different Data Types in C language.	
		(2)	Discuss the Structure of C Program.	

			empt following questions:	4
		(1)	What is Loop ?	
		(2)	Write Syntax of Simple if statement.	
		(3)	Write Syntax of While loop.	
		(4)	Write Syntax of for loop ?	
	(b)	Atte	empt any one:	2
		(1)	Explain Ternary Operator.	
		(2)	Give differences : While loop v/s. dowhile loop.	
	(c)	Atte	empt any one:	3
		(1)	Explain switchcase statement with example.	
		(2)	Explain Continue statement with its example.	
	(d)	Atte	empt any one:	5
		(1)	Explain else if ladder statement with example.	
		(2)	Explain Nesting of loops with example.	
3	(a)	Atte	mpt following questions :	4
3	(a)		empt following questions : What is void data type ?	4
3	(a)			4
3	(a)	(1) (2)	What is void data type ?	4
3	(a)	(1) (2)	What is void data type ? What is Pointer ?	4
3	(a) (b)	(1)(2)(3)(4)	What is void data type? What is Pointer? What is use of cirscr()?	4
3	. ,	(1)(2)(3)(4)	What is void data type? What is Pointer? What is use of cirscr()? What is use of getchar ()?	
3		(1)(2)(3)(4)Attention	What is void data type? What is Pointer? What is use of cirscr()? What is use of getchar ()? empt any one:	
3		(1) (2) (3) (4) Atte (1) (2)	What is void data type? What is Pointer? What is use of cirscr()? What is use of getchar ()? empt any one: Explain fmod() and ceil().	
3	(b)	(1) (2) (3) (4) Atte (1) (2)	What is void data type? What is Pointer? What is use of cirscr()? What is use of getchar ()? empt any one: Explain fmod() and ceil(). Explain mktime() and gmtime().	2

	(a)	Attempt any one:	
		(1) What is UDF? Discuss different types of UDF.	
		(2) Explain call by value and call by reference functions with its suitable examples.	
4	(a)	Attempt following questions:	4
		(1) Array mean collection of data type values.	
		(2) String is a	
		(3) An Array that uses more than two subscripts is referred to as array.	
		(4) Structure name is also known as	
	(b)	Attempt any one :	2
		(1) Explain how to initialize and access Single dimensional Array elements.	
		(2) Give differences: Structure v/s. Union.	
	(c)	Attempt any one :	3
		(1) What is Structure? Explain how to initialize and access structure elements.	
		(2) Explain Two-Dimensional Array.	
	(d)	Attempt any one :	5
		(1) Explain Nested Structure concept with suitable example.	
		(2) Explain UDF with Structure with suitable example.	

5	(a)	Attempt following questions:	
		(1) What is realloc()?	
		(2) What is Random Access File?	
		(3) Write syntax of remove().	
		(4) What is use of free()?	
	(b)	Attempt any one:	2
		(1) Explain advantages of Pointer.	
		(2) Explain Pointer to Pointer.	
	(c)	Attempt any one:	3
		(1) Explain Pointer within Array with example.	
		(2) Explain getw(), putw(), fflush().	
	(d)	Attempt any one:	
		(1) Discuss Pointer to Structure with any example.	
		(2) Explain Command Line Arguments with suitable example.	