FIRST YEAR B. C. A. EXAMINATION

MARCH / APRIL - 2016 PAPER - 103: INTRODUCTION TO PROGRAMMING LANGUAGE

	E: 3 HOUR TOTAL MAI	RKS: 100
COD		
Q-1	Answer the following questions.	[20]
1.	Explain Algorithm with example.	[5]
2.	Explain the terms compiler and interpreter.	[5]
3.	Explain basic structure of 'C' language.	[5]
4.	Distinguish between the following pairs:	[5]
	a. Main() and void main(void)	
	b. int main() and void main()	
	OR	
Q-1	Answer the following questions.	[20]
1.	Explain Flowchart with example.	[5]
2.	Explain the terms Editor, Translator, Assembler.	[5]
3.	What is data type? Explain data types available in C.	[5]
4.	What is Programming Language? Explain with its type.	[5]
Q-2	Answer the following questions.	[20]
1.	What is looping? Give the difference between entry control & exit control loop.	[5]
2.	Explain formatted input and output statement with example.	[5]
3.	Write a Program to prepare student mark sheet that contain roll no, name.	
	And enter six subject mark and print roll no, name, total, percentage with	
	The use of Nested if.	[10]
	OR	
Q-2	Answer the following questions.	[20]
1.	Explain Else if ladder with example.	[10]
2.	Short note on operators available in C.	[5]
3.	Explain Goto and Break statement with example.	[5]
Q-3	Answer the following questions.	[20]
1.	What is array? Explain types of array. How we can initialize 1D & 2D array? Explain it	with
	example.	[10]
2.	Write a C Program for to find a no. of vowels and no. of characters.	[10]

OR

Q-3	Answer the following questions.	[20]
1.	What is Character array? How we can create & initialize character array?	[5]
2.	What is searching? Explain linear search with example.	[5]
3.	Write any 5 built in functions with their syntax, meaning and example.	[10]
Q-4	Answer the following questions.	[20]
1.	Differentiate: Pointer to Array v/s Array to pointer.	[5]
2.	What is function? What is user defined function? What is function prototype?	
	Give an example	[10]
3.	Explain about declaration of storage class.	[5]
	OR	
Q-4	Answer the following questions.	[20]
1.	What do you mean by recursion function? Explain with example.	[10]
2.	Explain the terms call by value and call by reference.	[5]
3.	Differentiate: Static memory allocation and Dynamic memory allocation.	[5]
Q-5	Answer the following questions.	[20]
1.	What is structure? Explain with example how to create a (a) simple structure (b) Struct	ure
	within structure.	[10]
2.	Explain the following functions with example:	
	(a) fseek() (b) fscanf() (c) fprintf() (d) fgetc() (e) fputs()	[10]
	OR	
Q-5	Answer the following questions.	[20]
1.	Give the difference between Structure and Union	[5]
2.	What is nested structure? Explain with suitable example.	[10]
3	What is file? Explain defining opening and closing file	[5]