of Mumbai Curriculum Scheme: Rev2019

All Programs

11/7/2022

1 code : 95303 Time: 2 hours

Examination: FE Semester II FH2022 Course Code: FEC205 Course Name: C Programming

Time: 2 Hours	======================================
	Max. Marks: 60 Choose the correct option for following questions. All the Questions are compulsory and carry equal marks. (2 Marks each)
1.	What inbuilt function should be used to return a value rounded up to the next higher integer?
Option A:	floor()
Ontion B:	round()
Ontion C:	puts()
Option D:	ceil()
2.	Collection of variables of same or different data types is called as
Option A:	Array
Option B:	Structure
Option C:	Function
Option D:	String
Option	
3.	What is value of a in following expression? int $a = 10 + 4.867$;
Option A:	a=10
Option B:	a=14.867
Option C:	a=14
Option D:	a=4
Орт	
4.	#include <stdio.h> void main()</stdio.h>
	<pre>int x = 5; if (x == 5)</pre>
	: hi
Option A Option B	
Option C	
Option D	
Option B	The value obtained in the function is given back to the main program by using which keyword?
10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	
Option A Option F	
Option C	The state of the s
Option I	

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FE	Semil	: halement?
		60), then a[0] [1] is which element?
	20.40.50	60) then a[0][1]

- 1		20 40 50 60} then along
	6.	In an array $a[2][2] = \{10,20,30,40,50,60\}$, then $a[0]$
	Option A:	10
	Option B:	20
	Option C:	30
	Option D:	40

	ion D. To	
Q2	Solve any Four out of Six (4 marks each)	
A	Explain conditional operator used in C language with prop	
В	Differentiate between entry and exil controlled to a sensition number of hot.	
С	Write a program to accept a number and to check with (If sum of cube of digits equal to that number then number is Armstrong number. example	
D	$1^3+5^3+3^3=153$) Define recursion. Write a program using recursive function 'power' to compute x raised to n i.e. x^n which can be defined as given below: power $(x, n)=1$ if $n=0$ power $(x, n)=x$ if $n=1$ power $(x, n)=x^*$ power $(x, n-1)$ otherwise	
Е	Explain following functions with proper example. a) strcmp() b) strcat() c) gets() d) strrev()	
F	Write a program to accept elements of one dimensional array from user and sort and display them in ascending order.	

Q3	Solve any Four out of Six (4 marks each)
А	Explain bitwise operators available in C?
В	Write a program to print the following pattern. Accept number of rows from user and display that much number of rows in output 1 01 101 0101
С	Write a program to find factorial of a given number using function.
D	Explain compile time and run time initialization of an array with
Е	matrix is symmetric or not
F	Write a program to read Title, Author and Price of 5 books using array of structures. Display the records in ascending order of Price.

Q4	
A	
В	Write a program to accept three numbers and to find largest of three pured.
С	defined function.
D	a) break b) continue c) goto
E	Explain the advantages of using Function.
F	Distinguish between Structure and Union with proper example.