NIMAWI INC. ..

NMAM INSTITUTE OF TECHNOLOGY, NITTE

(An Autonomous Institution affiliated to VTU, Belagavi)

B.E. (Credit System) Mid Semester Examinations - II, March 2017

16CS111 - COMPUTER CONCEPTS AND 'C' PROGRAMMING

Max. Marks: 20

ration: 1 Hour

onsider the following string initializations; shar s1[20] = "BeginnersBook"; har s2[20] = "BeginnersBook COM";	efine function? Illustrate the elements of user-defined functions with proper ortax and example.		Note: Answer any One full question from each Offic.
	4	Marks BT	
	L*2	BT	

5 a

CS D

9	<u>a</u>	
b) Write a user-defined function to perform bubble sort in an ascending order for a given input array of n elements and also show the number of passes on the	a) Explain the initialization of one dimensional and two dimensional arrays with	char s1[20] = "BeginnersBook"; char s2[20] = "BeginnersBook COM"; Write the output of the following string handling functions with justifications: i)strncmp(s1, s2, 8); ii)strncat(s1,s2, 3); ii)strstr(s1,"Book");

6

16

53

	a		
variab	What is	50,40,	input e
es	w.	1,2	ıt elemer
iables with example.	pointer	0,10.	nents
IME	5		
ie.	in C?		
	Explain		
	the -		
	Init - II declaration		
	and		
	initialization of point		
	0		
	P		
	ointer		

-	-		_
Write a C program to read N integers into an array and find the sum of elements	Discuss the structure definition and different methods of structure variable declarations with suitable examples.	List out the difference between arrays and structures. Explain the file handling function fopen() with proper syntax and example and also mention the different modes of operations in files.	What is pointer in C? Explain the declaration and initialization of pointer variables with example.

ယယ

535

口

5

12

15

S

15

0.5

Bloom's Taxonomy, L* Level

using pointers.

¥		ω	Ń		28. 2	Durati		7	ASHIILI.
 a) Explain else if ladder statement. Design a C program for simulation of a simple calculator using else-if-Ladder. b) Differentiate between the Pre-test and Post-test loop. b) Bloom's Taxonomy, L* Level 		Unit – II a) Explain the following unformatted Input/Output function with programming example for each.	a) Describe the Structure of C program with programming example. b) Evaluate the following expressions: i. a + 2 > b && ic a i= d && a - 2 <= e where a=10, b= -6, c=1, d=10, e=5 ii. x=(-x)-(x-) where x=5 iii. a+=(a++)+(++a) where a=3	one thm. Design an algorithm and flowchart to accept the year as the dicheck whether the year is a leap year or not.	Unit – I A Give rules for framing variable name in C. Identify the valid variable names from the list given below: i. int_float ii. price\$	Duration: 1 Hour Note: Answer any One full question from each Unit.	16CS111 - COMPUTER CONCEPTS AND C PROGRAMMING	'MAM INSTITUTE OF TECHNOLOGY, NITTE (An Autonomous Institution affiliated to VTU, Belagavi) 11 Sem B.E. (CSE) Mid Semester Examinations - I, February 2017	USN
4 6 5 5	4 6 5 5		P 2	5 4	4	ä			

	-				
-	1	NEW MINISTER OF THE COMMENT		L	
1	- 7	Sem B.E. (Credit System) Mid Semester Examinations - II, October 2017	2017		
O III	ation	17CS111 - COMPUTER CONCEPTS AND 'C' PROGRAMMING			
	9	Note: Answer any One full question from each Unit.	Max. Marks: 20	s: 20	
-	59	Unit - I Write a C program to find largest of 3 numbers using nested if else statements. Explain the general form of switch statement with an example.	Marks 5	E3.	
N	<u>5</u> <u>a</u>	Explain formatted output with suitable examples. Write a C program to generate multiplication table of a number using for loop.	on on	22	
ω	Q 80	Unit - II Explain the call by value concept in function with a suitable example. Write a C program to find the sum of diagonal elements in a matrix print a	5	13	
		suitable message if a matrix is non square matrix.	5	L3	
4.	5 a	Write a C program to perform binary search on unsorted elements. Explain elements of user defined function.	0.4	42	
F	Bloc	3T* Bloom's Taxonomy, L* Level			

Trabus.

神を