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## Faculty of Engineering & Technology Third Semester B.E. (Computer Science Engg.) (C.B.S.) Examination ADVANCED "C" PROGRAMMING LOGIC DESIGN

Time: Three Hours]

[Maximum Marks: 80

INSTRUCTIONS TO CANDIDATE

(1) All questions carry marks as indicate

(2) Solve Six questions as follows:

Question No. 1 OR Questions No. 2

Question No. 3 OR Questions No. 4

Question No. 5 OR Questions No. 6

Question No. 7 OR Questions No. 8

Question No. 9 OR Questions No. 1

Question No. 11 OR Questions No.

(3) Assume suitable data wherever neces

(a) What is an array? Explain memor
 1-D and 2-D array.

(b) Write a program to reverse string with String Handling function.

OR

(Contd.) MMW--9710

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2. (a)	Define a structure Blood Bank contain of donor, age of donor and blood group program which accepts information of 1 and displays information of those done blood group "O+".	oup. Wap 00 Donor
(b)	Write short notes on :	
	(i) typedef	
	(ii) enumerated data types.	6
3. <b>(a)</b>	Write a program to copy abc.txt file int file.	to xyz.txt 6
(b)	Explain following with syntax and exa	imple:
	(i) getc()	
:	(ii) fseek()	
	(iii) fwrite( )	,
·	(iv) fscanf()	8
	OR	
4. (a)	Write a program to read the content of forcement of the command line arguments.	file using
(b)	Explain fopen() function in detail with example.	h proper
(c)	Explain the following:—	
	(i) feof()	•
• .	(ii) ferror().	3
MMW—9	2710	(Contd.)

5.	(a)	Write a program for the comparison of two strir by using pointers.		
	(b)	Write a function small () to find smalles from an array using pointer.	t element 6	
		OR		
6.	(a)	Explain with example, the difference pointer to structure and pointer within s		
	(b)	Write short note on :		
		(i) Static memory allocation	3	
		(ii) Dynamic memory allocation	3	
		(iii) Size of ( ) operator.	2	
7.	(a)	Write a program in C to draw five concircles and fill inner most circle with RED		
	(b)	What is the difference between graphics and text mode.	mode 3	
	(c)	Explain initgraph() in detail.	. 4	
OR				
8.	(a)	Write a menu driven to draw line, rectangle ellipse and circle.	e, arc, 6	
	(b)	Explain the following graphics functions syntax and examples:	with	
		(i) putimage()		
		(ii) outtextxy()		
MMW9710		9710 3 (Co	ontd.)	

(iii) getmaxx( )	
(iv) setlinestyle()	8
<ol> <li>(a) Write an algorithm to find sum and avera array elements.</li> </ol>	ge of 6
(b) Explain basic model of computation in de-	tail. 7
OR	
10. (a) What are the correctness and efficiency issurprogramming.  (b) Explain notion of algorithms.	6
11. (a) What is object oriented programming? Exp difference between object oriented programming and structure oriented programming?	ning 7
(b) Explain the concept of polymorphism with res to OOP with example.	spect 6
OR	
12. Write short note on :—	
(a) Top down design	3
(b) Encapsulation	3
(c) Assertion and Loop Invariants	4
(d) Inheritance	3