



GIET UNIVERSITY, GUNUPUR - 765022
B.C.A (First Semester) Regular Examinations, January - 2024
BCA20103 - Programming in C

Time: 3 hrs

Maximum: 60 Marks

(The figures in the right hand margin indicate marks)

PART – A**(2 x 5 = 10 Marks)**Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. Define algorithm with an example.	CO1	K2
b. What is recursion in c?	CO3	K3
c. Write a c program to print hello world without using semicolon (;).	CO1	K2
d. What is meant by looping?	CO1	K2
e. Differentiate between Local Variable and Global Variable.	CO1	K2

PART – B**(10 x 5 = 50 Marks)**Answer **ALL** questions

	Marks	CO #	Blooms Level
2. a. Write a program to input 3 unequal numbers and find the greatest using else if ladder.	5	CO1	K2
b. Write a program to test a number is perfect or not using for loop.	5	CO1	K2
(OR)			
c. Write a c program to manipulate student grades using if-else ladder.	5	CO1	K2
d. What is the difference between while and do-while loop?	5	CO1	K2
3.a. Write a C program to find out Multiplication of matrices.	5	CO2	K2
b. Explain Array of Pointer with suitable example.	5	CO2	K3
(OR)			
c. Write a program to input values into two 3X3 matrices i.e: A and B. Perform addition of matrices and store result into matrix C	5	CO2	K3
d. Explain pointer to pointer with suitable example.	5	CO2	K3
4.a. Give one example of function returning pointer.	5	CO3	K3
b. Write a C program for Function with Argument & return values.	5	CO3	K3
(OR)			
c. Differentiate between formal and actual argument in function.	5	CO3	K3
d. Write a program in C to find the sum of the series 1!/1+2!/2+3!/3+4!/4+5!/5 using the function.	5	CO3	K2

5.a.	Write a c program to print customer details(name, id, salary) using c.	5	CO4	K2
b.	Explain structure briefly with an example.	5	CO4	K3
(OR)				
c.	Explain dynamic memory allocation briefly.	5	CO5	K3
d.	Explain file handling briefly.	5	CO5	K3
6.a.	Write C program to read the details of two workers and calculate total payment of workers using structure.	5	CO4	K2
b.	Explain enumeration.	5	CO4	K3
(OR)				
c.	What is the difference between fscanf() and fprintf().	5	CO5	K3
d.	Write a program to create a file in c.	5	CO5	3

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