B. CIVIL ENGG.(EVENING) 2ND YEAR 1ST SEM. EXAM. 2018 SUBJECT: COMPUTER PROGRAMMING-II Durs Full Marks 100 (50 mark

Time: Three hours

b) Write a C program, to product of two Matrices [A] and [B], both of size (2x3) and (3X2) respectively and store the result in a separate matrix [C]. 4 a) Write a C program to print ascending order form given input as N number integer b) Write a C program, to find biggest value from diagonal element of NxN matrixes as input. 5 a) Create a structure to specify data about employee. The data to be stored its name, Age, Basic pay and ID no. Assumed maximum 100 no employee. Write a C program to print the details of an employee, if give an ID no. as input. b) Write a C program to interchange the elements of two diagonal of two squire matrix. 6. a) Write a C program to find out value of \$\frac{\pi}{k^2}\$ x first do using Simpson's rule. Given No. 6.	Marks 2x4=8
a) Use of pointer in C program b) Difference between While loop & Do-While loop c) Recursive function Answer any three questions. a) Write a C program to obtain the factorial of given integer number using recursive function. b) Write a C program, to product of two Matrices [A] and [B], both of size (2x3) and (3X2) respectively and store the result in a separate matrix [C]. 4 a) Write a C program to print ascending order form given input as N number integer b) Write a C program, to find biggest value from diagonal element of NxN matrixes as input. 5 a) Create a structure to specify data about employee. The data to be stored its name, Age, Basic pay and ID no. Assumed maximum 100 no employee. Write a C program to print the details of an employee, if give an ID no. as input. b) Write a C program to interchange the elements of two diagonal of two squire matrix. a) Write a C program to find out value of for two diagonal of two squire matrix.	2x4=8
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b) Write a C program to interchange the elements of two diagonal of two squire matrix. a) Write a C program to find out value of \(\frac{1}{6} \) refer do using Simpson's rule. Given N.	
a) Write a C program to find out value of $\frac{1}{2}$ refer do using Simpson's rule Circles.	8
a) Write a C program to find out value of L^2 refer do using Simples in the City of	6
	8
b) Given four-digit integer number, write a C program to print it in reverse and also find sum of the digits.	5

BACHELOR OF CIVIL ENGINEERING (EVENING) EXAMINATION 2018 (Second Year, First Semester, Supplementary)

SUBJECT: COMPUTER PROGRAMMING-II

Time: Three Hours

Full Marks 100 (50 marks for each part)

Use a separate Answer-Script for each part

3 8 2
3
8
8
8
2
10
2
8

C	No. of uestions	Parf <u>I</u>	Marks
5		a) Write an algorithm to compute the value of a definite integral using Trapezoidal rule.	4
	* **** <u>.</u> *** <u></u>	b) Derive the finite difference equation for $\frac{dy}{dx}$ and $\frac{d^2y}{dx^2}$.	4
		c) What is the basic difference between an initial-value problem and a boundary-value problem?	2
6.		Compute the deflection at mid-point and quarter points of the beam shown in below using finite difference method. 8.0 KN/m	10
7.		Find the deflection for the cantilever beam at 3.00m, 6.00m, 9.00m and 12.00m from the fixed end using finite difference method.	10
	<u> </u>	6.00 m	
		x EI	
1+		12.00 m	

