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	Reg. No. :	•
	Question Paper Code: 20627	
	B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEM	BER 2018.
	First Semester	
	Civil Engineering	
	GE 6151 — COMPUTER PROGRAMMING	
	(Common to All Branches)	
	(Regulations 2013)	
	(Also common to: PTGE 6151 — Computer Programming for First Civil Engineering/ Computer Science and Engineering — Regulat	t Semester — tions – 2014)
	Time : Three hours Maxim	num : 100 marks
	Answer ALL questions.	
3	PART A — $(10 \times 2 = 20 \text{ marks})$	
	Differentiate between analog computer and digital computer.	
	2. Define Algorithm.	
	3. List the various input and output statements in C.	
	4. What are the basic data types in C?	
	5. What is an array?	
	6. What is string?	
	7. Compare local variables and global variables.	
	8. What is the use of pointer variable?	
	9. Define union.	
	10. What are the storage classes available in C?	

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	PART B — $(5 \times 16 = 80 \text{ marks})$			
(16)	Explain the basic organization of a computer with neat diagram. (16)	(a)	1	11.
(10)	Or	(4)		
cimal (6)	i) Convert the decimal number 378 into binary, octal and hexadecima	(b)		
given (10)	ii) Write the pseudo code and draw a flowchart to find the giver number is even or odd. (10			
table (16)	Explain the various types of operators available in C with suitable examples. (16			12.
	Or			
table (12)	(i) Describe the various looping statements used in C with suitable examples. (12	(b)		
(4)	(ii) Write a short note on constants. (4			
rs.(8)	(i) Write a C program to find the largest number among n numbers.(8	(a)		13.
(8)	(ii) Discuss the various string handling functions in C. (8			
	Or			
(16)	Write a C program to multiply two matrices. (16	(b)		
on. (8)	(i) Write a C program to generate the fibonacci series using function.	(a)	8	14.
200	(ii) Write a C program to exchange the values of two variables using			
	Or			
GCD) (8)		(b)		
using (8)	(ii) Write a C program to count the number of words in a string using pointers.			
ils of omers	Define a structure called bank with account number, name of the customer, account balance. Write a C program to read the details of account number, name of the customer, account balance of 500 customer and print the account number, name of the customer and the account balance whose account balance is below Rs.1000.	(a)		15.
	Or			
(16)		(b)		
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