

Course:	Programming in C	Semester:	First
Branch:	COMP/IT/ETRX/EXTC/MECH	Date:	5 th Feb 2022
Exam:	ON SCREEN TEST	Time:	10 AM to 12 PM

Q No	Question	Marks
1	<p>Attempt any one</p> <p>a) Print the following pattern Input: Enter the number of rows Example: 7 Output:</p> <pre> 1 2 3 4 5 6 7 24 25 26 27 28 29 8 23 40 41 42 43 30 9 22 39 48 49 44 31 10 21 38 47 46 45 32 11 20 37 36 35 34 33 12 19 18 17 16 15 14 13 </pre> <p>b) Write a program to convert a decimal number to hexadecimal without using arrays</p>	8
2	<p>Attempt any one</p> <p>a) Write a C program to carry out the following operations:</p> <ol style="list-style-type: none"> Create a simple text file on drive having at least one sentence. Read the content of this text file. Print each word in file in reverse order. <p>Example: File contains the sentence: File reading in reverse order . Output: eliF gnidaer ni esrever redro</p> <p>b) Write a C function to find the kth occurrence of an even integer in a sequence of non-negative integers, and then call your function from main</p> <p>Sample Input: k=2 1 1 2 3 4 5 -1</p> <p>Output: 4</p>	12