

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY BHOPAL

MID TERM EXAM MAY 2021

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Course: B. Tech

Semester: II

Branch: Group B

Subject: **Computer Programming** Subject Code: **CS114**

Date: 13/05/2021

Max Marks: 20

Attempting Time: 9:30 AM to 11:00 AM

Submission / uploading time: 11:00 AM to 11.30 AM (30 Minute)

Note: 1. Don't wait till the deadline to upload, do it as soon as you finish your paper

2. Reply and upload the answer sheet in single pdf file with filename as your roll number (for example: 20E004.pdf)

3. All questions are compulsory.

4. You need to add sample output for all questions except Q3.

1	Write output and the execution sequence of operations given in expressions of the below given code. Give answer with proper explanation. <pre>#include <stdio.h> int main() { int a =2, b=3,c; c=++a<<1+b++; //expression printf("%d",c); return 0; }</pre>	4
2	Write a program that can print characters correspond to the least significant byte of an integer variable without using loops.	6
3	Write algorithm and draw a flow chart to print the below given series 0,1,2,5,12,29,70,169.....	4
4	If a four digit number is input through the keyboard, write a program to Obtain the sum of the first and last digit of the number without using % operator.	4
5	Write a C program to divide any number by 8 without using division (/) operator and 8 as divisor	2