Name: SRADHA KEDIA Date and time of Examination: 9:30 am - 12:30 pm; 27/03/2021 Examination Roll no : 20234757053 Name of the Programe: MCA Semester: Ist Unique Paper Code! 223401101
Title of the Paper - Object Oriented Programming Email-ID- Has 200083@cs.du. ac.in Mobile no. - 8840502121 No of Pages - 4

Question 3 ->
encrypt details are mentioned after the end of encrypt for
def encrypt (missage):
encoded = "" # mull string to store encoded
missage for i in message: # for loop to travuse each character.

if i ismumeric(): # checking if character is a digit A = ((int(i)\*\*2)+5)1/26 +65

# getting the ASCOI form

A = chr(s) # convert ASCII to character

encoded += s +" " # storing the incoded

missage elif i.islover () # checking if character is

A = (ord li) - 3) % 26 # seturning ASCII when

excoded + = 2 + " " # storing in the encoded

loe: else:

encoded += i + " " # storing in the encoded
neturn encoded # returning the encoded musege

The previous one was to Everypt "

def (de Returns: moded

Argument: missage "

def dirrypt (encoded)

111 Argument: encoded (encrypted missage)

neturns: dicoded

If Assumptions: for Alphabets to be lower case of the upper case it is not possible to descript correctly to Encryption function should to be invenitable.

Howe take as our disription function will always produce upper ease alphabets, even if they don't correspond to the original tent. Because it is not possible to uniquely determine the original tent from the encrypted tent.

decoded = ""

decoded = ""

decoded = ""

decoded = ""

character A'

character A'

for i in encoded:

y ord(i) in range (0, 26):

decoded += chr((ord(c)-6)/, 26 - alphabet)/, 26 ellf ord(i) in nange(65, 65+26):

remainder = ((ord(c)-65)-5)-/26

j = 0 # flag variable

while True: risult 20234757053

if (i \*\* 2) & 1/26 == remainder: # check if equal to decoded to hemains break # break # break else? # if not equal to remainder
decoded += i # appends as it is return dicoded # returned dicoded missage # driver function af nome == "main" " of message")
encoded=encrypt (message) # indentation expected

# we error at writing time

# by It amides decoded=decrypt (Rdo encoded) # Kindly comider print (" recrypted message:", encoded) It printing messages.