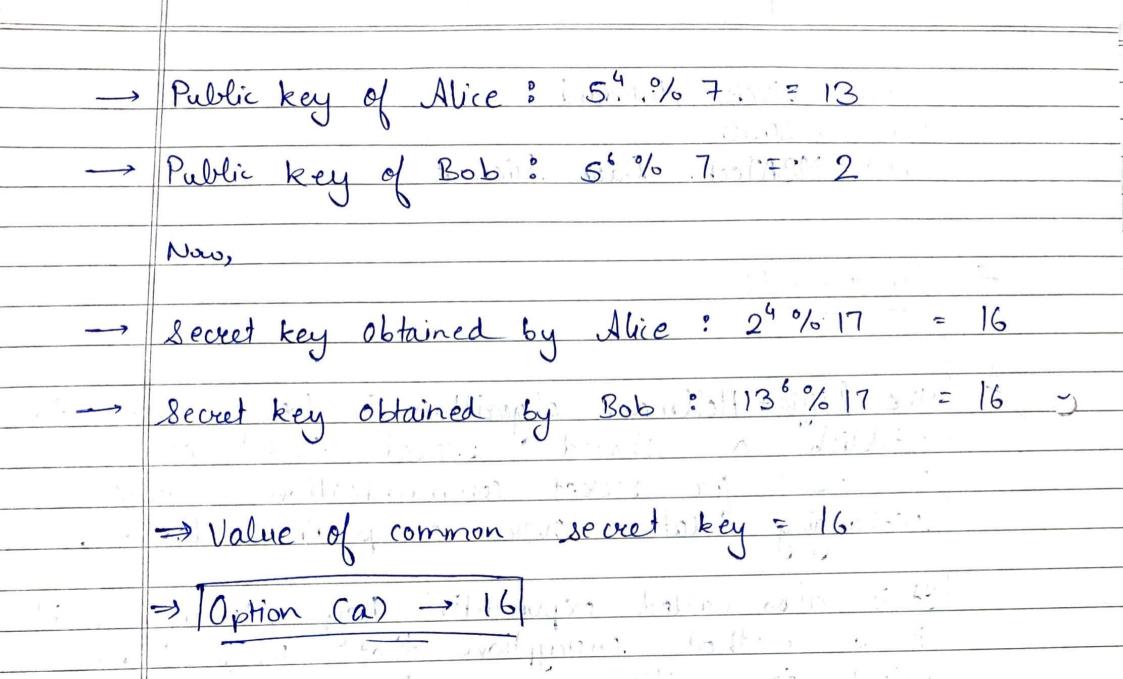
Question-1 n=17 a=5. 140 - 7 . 10 - 17 . . Private key of Alice = 4 Fred Till and



Question- 42 plain-text = "MBATECHDS"

key = "VIVEK" def generate_key (plain_text, key):

key= list (key) if len (plain-text) == lin (key): for i in range (len(plain-text) - len (key)):
key. append (key [i % len(key)]) return (", join (key)) def encrypt_cipher(plain-text, key):
cipher_text = [] for i in range (len (plain - text)): X= (lord (plain-text [i]) + ord (key[i]) % 26) + ord('A') cipher_text. append (chr(x)) return (". join (cipher-text)) key = generate_key (plain_text, key) ct = encrypt - cipher (plain - text, key) vision

print ("Plain Text:", plain-text)
print ("Keyword: ", key) print ("Cipher Text: ", ct)

Plain Text: MBATECHDS Reyword: VIVEK Cipher Text: HJVXOXPYW