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Course - BCA - 6A

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Subject - Information Security & cyber laws

END TERM

Q1 (a) Create a google account to many google products

STEP 1 - Go to official site of google account for sign in

STEP 2 - Click on create Account and create your google Account by filling necessary details

STEP 3 - Create Password for your account

STEP 4 - Account created Successfully.

My email id is Bdanu@gmail.com

(b) check for Account Recovery

STEP 1 - log in to your google Account

STEP 2 - go to Security option

STEP 3 - Click on Recovery Phone & Recovery Email one by one

STEP 4 - First you have to sign in again to your google Account for verification

STEP 5 - Now you can recover your account by adding P.Nb and Email one by one.

STEP 6 - Account Recover Successfully.

(c) check google Privacy Policies

STEP 1 - Log in to your google Account.

STEP 2 - Go to google privacy Policies and check the policies associated with it

STEP 3 - Follows are the same google Privacy Policies

1. Privacy Reminder from google

2. Third Party sites and apps with access to your Account

3. See, control & delete the info in your google Account

4. Change your Privacy Settings

5. Download your Data

6. Make your Account more secure

7. Use google smart lock

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Q 4

Ans

```
#import library
import math.random

#function to generate OTP
def generate OTP():
    # Declare a digit variable
    # which stores all digits
    digit = '0123456789'
    OTP = ''
    # length of password can be changed
    # by changing value in range
    for i in range(4):
        OTP += digit [math.floor(random.random() * 10)]

    return OTP

# Driver Code
if __name__ == '__main__':
    Print("OTP of 4 digits :", generate OTP())
```

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Q5 Encryption using caesar cipher

```
def encrypt (string):
```

```
    cipher = ""
```

```
    for char in string:
```

```
        if char == ' ':
```

```
            cipher = cipher + char
```

```
        elif char == isupper ( ):
```

```
            cipher = cipher + chr ( (ord (char) + 3 - 65) % 26 + 65)
```

```
        else:
```

```
            cipher = cipher + chr ( (ord (char) + 3 - 97) % 26 + 97)
```

```
    return cipher
```

```
text = "Attack from North"
```

```
print("after Encryption:", encrypt (text))
```

decryption testing cases cipher

```
def decrypt (string):
```

```
    plain = ""
```

```
    for char in string:
```

```
        if char == ' ':
```

```
            plain = plain + char
```

```
        elif char isupper ( ):
```

```
            plain = plain + chr ( (ord (char) - 3 - 65) % 26 + 65)
```

```
        else:
```

```
            plain = plain + chr ( (ord (char) - 3 - 97) % 26 + 97)
```

```
    return plain
```

```
← text = ""
```

```
← print ("after decryption:", decrypt (text))
```

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MCQ

- Ans 1 Asymmetric key encryption with sender Public key
- Ans 2 Software
- Ans 3 An. Authentication of an electronic record
- Ans 4 Cyber laws
- Ans 5 only on eelphon circumstances
- Ans 6 Idea is seems little is different
- Ans 7 Checksum
- Ans 8 The identity of the character is changed while its position remains unchanged.
- Ans 9 both b & c
- Ans 10 Possibility of replacement.

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