

END SEM EXAMINATION

NAME → ANSHUL UNIYAL

COURSE → B.C.A.

SEM → 6th

SEC → A

SUBJECT → INFORMATION SECURITY
AND CYBER LAWS

UNIVERSITY ROLL NO → 1121020

PAPER CODE → TBC - 601

Q → 5 → Ans →

```
def encrypt(text, s):
```

```
    result = ""
```

```
    for i in range(len(text)):
```

```
        char = text[i]
```

```
        if (char.isupper()):
```

```
            result += chr((ord(char) + s - 65) % 26 + 65)
```

```
        else:
```

```
            result += chr((ord(char) + s - 97) % 26 + 97)
```

```
    return result
```

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

```
s = 3
```

```
Print("text:" + text)
```

```
Print("Shift:" + str(s))
```

```
Print("Cipher:" + encrypt(text, s))
```

```
def decrypt(text, s):
```

```
    result = ""
```

```
    for i in range(len(text)):
```

```
        char = text[i]
```

```
        if (char.isupper()):
```

```
            result += chr((ord(char) - s - 65) % 26 + 65)
```

```
        else:
```

```
            result += chr((ord(char) - s - 97) % 26 + 97)
```

```
    return result
```

text = "Attack from North"

S = 3

Print ("cipher: " + decrypt(text, S))

Print ("shift: " + str(S))

Print ("text: " + text)

Output → Attack from North

DWWDFN IURP QRWK