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Subject – Information Security

Ans 3)

```
def generate key (String, key):
    key = list (key)
    if len (String) == len (key)
        return (key)

    else
    For i in range (len (String) - len (key))
        key append ( key [i % len (key)])
    return (" ", join [key])

def cipher text (String, key)
cipher_text = ()
for i in range (len (String))
    x = (ord (String [i]) + ord [key [i]]) % 26

    x += ord ('A')

    cipher_text append (chr (x))

    return (" ", join (cipher_text))
```