

Ans 5) The plaintext message.

MUST SEE YOU OVER CADOGAN WEST COMING AT ONCE

i) Converting to lowercase and ~~for~~ removing spaces

mustsee you over cadogan west coming at once

ii) Inserting character '~~x~~' between all repeating characters

must see ~~x~~ e you over cadogan west coming at once

iii) Inserting extra padding characters if the length is odd.

→ This is an even length string, and hence no character is inserted.

iv) Dividing the string into blocks of 2.

mu st se ~~x~~ e yo uo ve re ad og an we st comi ng at on ce

v) Encrypting each block using the playfair cipher.

UZ TB DL ZR WQ NP ZL GB ET QA LO ZA TB TQ FK QLT HPO  
DG

So, the resulting ciphertext is :-

UZTBDLZRWQNPZLGBETQALOZATBTQFKQLTHPODGDG