**Table of Content:**

On Chapter 3: change the word to be => Substitution

**Chapter 1:**

Page 47: the first line => Intrusion identification systems overwhelmingly

Page 31: the first line => Review

**Chapter 2:**

Page 41: the fourth line, change the word to become => naive

**Chapter 3:**

Page 45: change the chapter title word to become => Substitution

Page 53: change the example 3.10 to become =>

*Example 3.10* if we would like to decrypt the message *“xjxliop”* using the key length *“5 9 2 7 1 6 3”* (in this case, we use the inverse key length), the following table is obtained:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *Ciphertext* | *x* | *j* | *x* | *l* | *i* | *o* | *p* |
| *Key Length* | *5* | *9* | *2* | *7* | *1* | *6* | *3* |
| *Plaintext* | *s* | *a* | *v* | *e* | *h* | *i* | *m* |

Page 58: on the fourth line, change the letter to become “K” and “C”

Page 58: on the fourth line, change the letter to become “KC”

Page 58: Second table to become

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | B | C | D | E |
| F | G | H | I | K |
| L | M | N | O | P |
| Q | R | S | T | U |
| V | W | X | Y | Z |

Page 58: Third table to become:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | B | C | D | E |
| F | G | H | I | K |
| L | M | N | O | P |
| Q | R | S | T | U |
| V | W | X | Y | Z |

Page 58: Fourth table to become:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A | B | C | D | E |
| F | G | H | I | K |
| L | M | N | O | P |
| Q | R | S | T | U |
| V | W | X | Y | Z |

Page 64: change question number 9 to become => Decrypt the following sentence using the simple shift Vigenere cipher with key length 5 8 2 4 16 9 7 13 22 20 13

*“bmngevlowwx”*

Page 64: change question number 14 to become => Encrypt the following sentence using the running key Vigenere cipher with keyword “rotate the wheel”

“handball game”

**Chapter 4:**

Page 74: change question number 6 to become => Decrypt the following sentence using the row cipher with keyword used *“goal”* in the order *“olga”*

*“nblwhttaeiet”*

Page 74: change question number 7 to become => Decrypt the following sentence using the double cipher with two keywords used *“efrndi”* or in the order of 2 3 6 1 4 5 (originally the keyword is *“friend”*)and *“bdoy”* or in the order of 1 3 2 4 (originally the keyword is *“body”*)respectively

*“aexmetmetehxatxteg”*

**Chapter 5:**

Page 80: change question number 7 to become => Encrypt the message *“victory”* using the OTP table below

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Plaintext* | a | b | c | d | e | f | g | h | i | m | o | r | t | v | w | x | y | z |
| *One time pad* | c | s | f | t | p | % | e | # | ! | \* | r | u | w | u | $ | x | ^ | ( |
| *Ciphertext* | a | v | t | g | f | k | g | f | f | h | $ | d | @ | < | & | b | & | - |

**Chapter 6:**

Page 81: on the third line, change the word “Authentication” to become => Encryption

Page 83: on the 7th line, change the word “sender” to become => receiver

Page 83: the title 6.1, delete the word “BLACK COIOR”

Page 83: the title 6.2, delete the word “BLACK COIOR”

Page 84: the title 6.3, delete the word “BLACK COIOR”

**Chapter 7:**

Page 99: on the title 7.5, change the INFRASTRUCUE to become => INFRASTRUCTURE

**Chapter 8:**

Page 109: the first line, change the whole sentence to become => “Secure socket layer and its predecessor transport layer security are cryptographic”

On page 110: change the title “HYPER TEXT MARKUP LANGUAGE” to become => “HYPER TEXT TRANSFER PROTOCOL”

Page 111: on line 13th, correct the word to become => “connections”

Page 111: on line 20th, correct the word to become => “connections”

Page 111: on line 28th, correct the word to become => “underlying”

Page 112: on line 2nd, correct the word to become => “without”

Page 113: on line 29th, correct the word to become => “system”

Page 114: on line 5th, correct the word to become => “non-readable”