CSPC-536 CN 106119100 15/60/20 Rajneesh Landey Date. et-oi Question ( Gioen TCP checksum is an end-to-end cehecksu 80, 315 computed by source device for venify by destination devices therefore Number. of these TCP checksum? calculated is one (1). of checksum is a node-to-node checksum It is computed everytime it reaches a new node Hence, Number of Homes of checksum is calculated is (6) SIX

Question (2)

on the cryptographic technique,

Monoalphabetic substitution technique is the substitution type Traditional ciphen.

eryptograpic technique.

in which. I spain the state of the the Plain text all the chauacteus shifted to left on night (K) times.

for example.

Plain text: TATA and K=3

cipney text: w DwD

Naw, if the K=26 then the plain text again become the pred. plain text

tience, we wouldn't active the crypto here

the mange of keys. (k) = 1 to 25

to apply thes technique.

encryption E(P)= (P+K)% mod 26.

 $D(c) = (c-k) \mod 26$ 

Question 3 plantext = "rajneeshpandeyrajneeshpand. Güven keys: 532641 ct = Messaerndph

Duestion (4)	( ) mism
At: (81) sends mail to (DI)	1901 CD
AD: mail seuver of DI) (both	server (some
A 3: Di basi created a new folder. Si 97 downloads the mail.	Aller Jan
	IMAP.
went Agent mail sewer Server  Server  Server  Server	user agent
LAH/WAN	hera wa

IMAP protocol because pop 3 doesn't cuppost creating new forder.

Question (5)		(1) 1916 20	
(a) <u>UDP</u> (U	seu Dutagnam	Protocol)	
San Frankis Ale		100 1111 3 3 4	
OverHon?  Give the Severice	IP, UBP pr	1 information. buide additionar	)
earor che Head	elling.	ultiplexing &	) 1
fixed	81.56		

(b) <u>TCP</u>: Question Lets suppose, TCP servey an Cliend surming on two different machine. After completion of data transfer. The client calls clase to terminate the connection. I I'm segment is sent to the TCP server. Server-side TCP respond. by sending an ACK which is secured by client\_side TCP. As peu TCP dragram., which state does the client -side TCP connection wait for the FIN from server- side TCP? so withon meue one two possibility cifent has sent FIN client receives segment but didn't Ack for its FIN

the ACK for 9ts own FIN, After.

Heaving ACK, client will move to

TIME-WAIT STATE.

ACK III the time.

50, FIN-WAIT -2,