	COMPUTER NETWORKS
	Mc-308
	ASSIGNMENT-3
(1:	Encryption transforms senders original information (blaintext) to another law (information)
	1400100
	7/1 02000
	back to its associated frage
	(plaintext).
7 Å	They protect storage or transport of information
	They protect storage or transport of information by fulfilling the following five key security functions:
	PROTECTION DESCRIPTION
<u>u</u>	Confidentiality Allow only authorized users to
-	access information.
1	
cii)	Authentication Verify who the sender was and
	buther-Hication Verify who the sender was and brust the sender is who they claim.
Ciúj	Integrity Trust the information has not been aftered
(iv)	Nonrepudiation Ensure that the sender or receiver
	Cannot deny that a nessage was
	sent or Received.
(v)	Access Control Restrict availability of information.

3001300	
(a)	Un compressed: WEDWEWEEWEBWET
1	Paced
	Parsed
	MEDMEMEENER MET
	MENNEWEE WEB MEL
	TV TOE
	N E EDWEWEENEBWET
	W, E
2 1 1 1	1231 DINEWEENER
	D DWEWEE WEBWET
	IW, E, D
	100,010
	WE D WE WEWEEWEBWET
	WE D WE WENCEMERNET
	W, E, D,1E
	1 2 3 4 5 WEE WEENERWET WEE WEBWET
	MICID WE MEET MEET MOST AND STORE !
3	W, E, D, 1E, 4E
	N E D WE WEEWER WEB WEBWET
	W, E, D, 1E, 4E, 4B
	21213141516171
	WET WET .
	[W.E,D, 1E, 4E, 4B, 4T]
	(VOTC) = 1 10, 11
tome or the solution	0 1
	Compressed: W.E, D, 1E, 4E, 4B, 4T
(3.)	DCT- Discrete cosine Transform
	100100
	In this step, each block of pixels goes through DCT. The bransformation changes the natures so that the sulative relationship by pixels are kept but
	The branch Common his
	the values so that the
	sulative relationship his bixale are kall hit
	popular or nept inte
	### ### ### ### #####################

	the redundancies are removed.
	Quantization
	Afflis the transformation, table T is created the values are quantized to reduce the must be and I
•	for encoding. It divides the no. of bits by a constant and then drops the fraction. The divisor defends on position of the value in table T.
•	then drops the fraction. The divisor day
	the value in table T.
G.	
	A Message Transfer agent (MTA) mutes a mail message towards its final destination by sending the message to another MTA.
(5.)	(1) VIRTUAL TERMINAL
	. It allows a Pc to sen connect to remote server, usually to perform a file transfer or run an application.
	application. The PC and server may be running different as
	The PC and server may be running different as but can communicate using well known protocols such as TENET, SSH, FTP etc.
	· PUTTY is a well known example.

	in Public & PRIVATE NETWORKS
	Public network: Network to which anyone
	can connect.
11/11/11/11	Example - Internet
<u> </u>	Or A 14. Makework to which access in
	Rubrate Network: Network to which access is
an an	grestricted. Example - Corporate Network, School Metworks
	Example 2 (08 Delone 105 177) Control W
(6·)	0100
67	055
	0 / 1
	0 30
	25 0/ 0/4
	0/1/0/1
	45 13 12 16 9 5
	a: 0
	e: 100
	i: 101
	0: 110
	u: 1110
	5. 2111

(7)	Drawbacks of Cossy Combression Techniques
	· Loss data is not retrievable.
	· The file has very limited potential for adjustments
	or changes post production
	· Accuracy is impaired.
	· With higher compression ratio, output degrades.
(2)	
(8.)	Domain Name System (DNS) is the phonebook of
	the internet humans access information only through
	domain mames. DNS servers eliminate need for
	humans to memorize if addresses.
	the Date and the second
	How DNS works.
	i) User logs onto their ISP to use the Internet.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	is The user opens a web browser and types a
	URL into the address bar iii) The computer then asks for ISP's DNS server
	for specific it address for the URL.
	for specific IP address for the URL. 1112 Once the DNS serves is found, it responds with approxipate IP address and user's computer gives
	(1) Once the Paddress and user's computer gives
N.	this address to user's pronser.
	(v) The browser opens a connection to the server
	using the if address browded and getrieves the page
	using the 11 across properties.
	and from the site requested.
	The browser as stays
	the computer screen:

(9)	kernal is central component of an operating system that manages aperations of computer and hardware. It basically manages operations of memory and chu time.
	system that manages aberations of computer and
	hardware. It basically manages operations of
	nemory and cru time.
	kernel acts as a bridge blw applications and
	data processing performed at hardware level wing
	inter-process communication & system calls.
(10.)	· Before being transmitted, information is the
	form of characters and numbers should be charged
	to bit streams.
	. The presentation layer is responsible for interoperability
	blue encoding methods as different computers use
	different encoding methods.
	. It franslates data bow the format the network requires
	and the format the computer does.
	all has been a few and a second a second and
	2 marie la la companya de la la companya de la companya del companya de la companya de la companya del companya de la companya
	Scanned with CamScanner