Data Comm. & Networking Date 07/3 Data Collection of facts, nos, words observations or other useful information invarious forms Eg: Number teset, suds video etc Communication: It is an not of sending or one ceiving data DC: Roters to the exchange of data blu two or more naturaled (connected devices which over a communication medium. Eg: PC, phones laptops etc Aspects of Communication Sender: Device capable of sending data. Receiver Device capable of receiving data. Message Data Into needed to be exchanged: Comm. Media. Path through which the message travels blu source & destination. Cowided (Wired) Un guided (Wineless) Perotoeds: Set of sules to be followed for successful of geliable comm. Eg: Ethonet, HTTP

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Data Roperesentation	the second of th
D'Text: ASCII (Amonican Stand	and Code for two Tolochaye
Egi Whatsapp meg >	and Code Por Info Tolochaye) varges (symbols 16-32 bitened) unicade
2) Number: o-Binary Of 1 · Unsigned Binary Cl	holenos)
· Unsigned Binory Clu · Signed " (+i · Floating point	jet-ve)
Eg: Internal working	of Celaulator
3) Image: Using pixels in R Bitmap CBMP prog Vector mas CSVG, F	GB jyeg DS)
Eg: Joeg on instagram	Aldring minet , red
a) Andro: Analog -> Digital using Sampling Pate - quali	g sampling techniques.
· Audis formats - m	p3, WAV
Eg: Song on Spatisty	The second of the second
3) Video: · Combination of image	. Landio
· Fps → smoothness Compression formats Cm Fai Valube	the same of the sa
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10 Performance.	
· Many wars to measury	e ie transit time bresponse.
· Trangt stime o	F mea Az >B dovice
· Respons => time	F meg Az >B dovice inaquiony > response
· Factors: no. of users	
Transmission	
· capability of	competed fandunge
Networking Motorics:	of software
· Networking Motorics	
Throughput	The one
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	History of a state of
2) Reliabilition	
Meacused by the for	2012-04-06-06-11-0
· Time it takes a li	ink to recover from
failure	Theorem Trion
·Networks robustne	ess in a catasterophe
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3) Securiti	
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Protection from dan	nage developement
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· Authorication Authori	
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Types of Connection	
Point-to-point connection	is digact link between
two devices	
Advantages: Dedicat	ed bandwidth
10 sw	atency
	to fix
Disadantage · Expen	
Scalab	
More	. 1
2) Point-to-multipoint is	
are connected via a	single Communication line
AdvantagesoFasy	
a Contra	Chaline
Mandy Francis Shap	od bandinialth
Disaman ruges. Oras	The society
Disadvantages Shar o Securi · Polay	99 152/65
Polay	5
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