Computing-Networks KO					
Network	·k   · ·	A group of <b>devices</b> connected together, either wirelessly or		The internet in a network of networks.	Advantages of wire-
	with a network cable.	with a network cable.			less network
Protoc	A set of rules		Internet Protocol		
Netwo		Used to connect different devices together. They are often		a set of rules governing the format of data sent over the	No trailing/trips/hazards
cable	made up of a number of wires.	·		Internet or other network.	It is quick and cheap to
Hub		Connects a number of computers together. Ports allow cables		a unique string of numbers separated by full stops that	connect to new devices
		to be plugged in from each connected computer.		identifies each computer using the Internet Protocol to	
Server	A powerful computer which provides services to a network			communicate over a network.	Allows portability
Router	Used to connect two separate net	Used to connect two separate networks together across the		Voice Over Internet Protocol - the set of rules that makes it	Disadvantages of
	internet			possible to use the Internet for telephone or videophone	wireless network
Wired	Wired networks send data along cables.			communication.	wireless fietwork
Wirele	Wireless networks send data thro	Wireless networks send data through the air using radio waves		A network of <b>Internet</b> connected objects able to collect and	Lower bandwidth
				exchange data.	Wireless connections can
		Wireless communications standards designed to provide		Unsolicited messages sent over the Internet, typically to a	be weakened by walls
3G /4G	· ·	different speeds for mobile devices, such as smartphones,		large number of users, for the purposes of advertising,	and ceilings
	tablets, and wireless hotspots			phishing, spreading malware, etc.	and cennigs
		a facility allowing computers, smartphones, or other devices to		Part of the internet that contains websites, web pages, and	Less Secure
WiFi	connect to the Internet or commu	connect to the Internet or communicate with one another		the links between them.	Advantages of a
		wirelessly within a particular area.		A <b>browser</b> is a software application used to locate, retrieve	o o
Bandw	Bandwidth is the amount of data t	Bandwidth is the amount of data that can be moved from one		and display content on the World Wide <b>Web</b> , including	wired network
Barraw	point to another in a given time.			webpages, images, video and other files. FOR example	Faster connection (little
	a high-capacity transmission techr	a high-capacity transmission technique using a wide range of		Chrome / FireFox	to no interference)
Broadb	and frequencies, which enables a large	frequencies, which enables a large number of messages to be		A web server is a computer that runs websites The basic	High or bandwidth
	communicated simultaneously.	communicated simultaneously.		objective of the <i>web server</i> is to store, process and	Higher bandwidth
Data	How much data the storage type of	How much <b>data</b> the storage type can hold, measured in <b>bits</b>		deliver web pages to the users.	
capacit	y	How much data the storage type can hold, measured in bits		A hypertext document connected to the World Wide Web.	Better security
	In streaming audio or video from	In streaming audio or video from		A type of website that allows you to look up information on	Disadvantages of a wired network
Bufferi	ng the <b>Internet</b> , <b>buffering</b> refers to d	the Internet, buffering refers to downloading a certain		the World Wide Web.	
	amount of data before starting to	amount of data before starting to play the music or movie.		Uniform Resource Locator ( <b>URL</b> ) is another name for a web	
Layer	Protocols in this layer cover	Protocol Examples		address	Cables can be a trip
,-	-			Stands for Hypertext Transfer Protocol Secure. This encrypts	hazard and look un-
1	Passing data (as electrical signals) over	Ethernet	HTTPS	messages between a browser and the website so the	pleasant
	the physical network			messages cannot be understood by other devices.	<u>'</u>
2	Making connections between networks	IP (Internet protocol)		Stands for Hypertext Transfer Protocol. Messages are sent	More expensive and
	and directing data	,	НТТР	between a browser and a website in plain text and can be	time-consuming to add
2				read and understood by other devices.	devices, as each device
3	Controlling data flow eg checking data is	TCP (Transmission Con-	Domain Name	A <b>domain name</b> is a unique <b>name</b> that identifies a <b>website</b> .	needs cables
	sent and delivered trol Protocol)		URL		Devices are in fixed po-
4	4 Turing data into websites and other applications and vice versa HTTP / FTP / SMTP		http://www.facebook.com		sitions (no portability
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