Name:

Information Technology: Data Threats

Α		Types of attack			Types of social engineering	
Hacking		Accessing someone else's data without consent	Social		Manipulating people so they give up	
		Hacking but with consent. Generally this is to	Engineering Phishing		confidential information	
		test for weaknesses and is legal			Directing a user to a malicious website from a	
Grey hat		Hacking without consent, and without intent to			bogus email where they will, eg, enter their	
		do damage.			bank details	
Black hat		Hacking with malicious intent	Pretexting		Pretending to confirm someone's identity in	
Distributed		An attack which aims to stop a server working			order to get the information they provide	
Denial of		by using up all its bandwidth. Requests are sent	Baiting		Users can get free goods (eg downloads) in	
Service		to the server by several different clients at			return for their confidential details	
(DDoS)		once, sometimes by using a botnet	Quid p	ro quo	Users can get free services (eg IT assistance)	
Pharmi	ing	Redirecting a user to a malicious website when			in return for their confidential details	
		the follow a link from a legitimate one	Piggybacking		Gaining entry to a room or building by	
В		Types of malware			following someone else in who holds the	
Adware		Software which displays advertising			door open	
Bot		A computer program which operates by itself	Shoulder surfing		Getting access to confidential information by	
Botnet		A large collection of bots, working together			watching someone enter it (eg at a cash	
Ransomware		Malware which disrupts the use of a system until a			machine)	
		ransom has been paid	D		Threats to data	
Rootkit		Modifies operating system to avoid detection	Physica	al	The device storing the data could be stolen	
Spyware		Gathers and reports data from the host			or lost	
Trojan		Poses as legitimate software and must be installed	System		Data could be lost, manipulated, modified or	
		by the user. Does not self-replicate			stolen through hacking attempts	
Virus		Hidden in an executable and self-replicates	Environmental		Natural disasters, such as earthquakes or	
Worm		Malware which self-replicates but does not			floods. These could affect the data systems,	
		require an executable file			backups and power supplies	