Offence	Imprisonment (years)	Fine	
Criminal Access	3	3 Lac	
Criminal Data Access	3	3 Lac	
Data Damage	3	3 Lac	
System Damage	3	3 Lac	
Electronic Fraud	7	7 Lac	
Electronic Forgery	7	7 Lac	
Misuse of Device	3	3 Lac	
Unauthorized access to code	3	3 Lac	
Malicious code	5	5 Lac	
Defamation	5	5 Lac	
Cyber stalking	3	3 Lac	
Cyber Spamming	6 months	50,000	
Spoofing	3	3 Lac	
Pornography	10	(*****)	
Cyber terrorism	Life	10 Million	

Quiz No. 02 - CYBER LAW (FALL 2018) 19-12-2018

Question No. 01: How many sections are included in Electronic Transaction Ordinance 2002?

- **43**
- **>** 10
- > 53
- ≥ 23

Question No. 02: What is an encryption system that uses two keys: a public key that everyone can have and a private key for only the recipient?

- > Encryption
- Public key encryption
- ➤ Intrusion-detection software
- > Security-auditing software

Question No. 03: According to Electronic Crime Bill 2007 what is the imprisonment of "Unauthorized access to code" Offense?

- > 6 Years
- 3 Years
- > 3 Months
- ➤ None of the above

Question No. 04: What scrambles the contents of a file so you can't read it without having the right decryption key?

- Encryption
- ➤ Intrusion-detection software
- ➤ Security-auditing software
- ➤ All of the above

Question No. 05: What is the fine of "Defamation" Offense according to Electronic Crime Bill 2007?

- > 5000
- > 50,000
- 5 Lac
- > 7 Lac

Question No. 06: Public key encryption uses multiple keys. One key is used to encrypt data, while another is used to decrypt data. The key used to encrypt data is called the _____ key, while the key used to decrypt data is called the

- ___ key.
- > Encryption, decryption
- > Private, public
- > Encryption, public
- Public, private

Question No. 07: The term Cyber Law is refer to as the legal and regulatory aspects of the and its

- Users, Internet
- Internet, Users
- ➤ Digital data, Generators
- > Internet Service Provider, User

Question No. 08: According to Electronic Crime Bill 2007 what is the imprisonment of "Electronic Fraud" Offense?

- ➤ 1 Year
- > 10 Months
- 7 Years
- > 7 Months

Question No. 09: What is the Fine of "Cyber Terrorism" Offense according to Electronic Crime Bill 2007?

- ➤ 1 Million
- > 10 Million
- ➤ 10 Thousand
- > None of the above

Question No. 10: What is the Fine of "Cyber Spamming" Offense according to Electronic Crime Bill 2007?

- > 50,000
- > 35,000
- > 5 Lac
- ➤ None of the above

Lecture No 4

- Cyber security refers to the <u>technologies</u> and <u>processes</u> designed to protect computers, networks and data from unauthorized access and attacks delivered through the Internet by cyber criminals.
- 2. Protecting computer system and information from unauthorized access or destruction / abuse.
- 3. Security deal with three primary issues, called the CIA triad.
- 4. Confidentiality Assurance that only authorized user may access a resource.
- 5. <u>Integrity</u> Assurance that resources has not been modified.
- 6. Availability Assurance that authorized user may access a resource when requested.
- 7. Protecting information in the digital age requires <u>constant caution</u> to deter thieves who would steal financial, proprietary, and personal identification data.
- 8. Cyber security is necessary since it helps in <u>securing data</u> from threats such as data theft or misuse, also safeguards your system from <u>viruses</u>.
- 9. Security measures provides full security services to balance the needs of providing information to those who need it with taking action to mitigate the <u>dynamic threats</u> posed by cyber thieves and cyber terrorists.
- 10. Your home computer is the popular target for intruders.
- 11. We can use our computers to attack other computers on the internet.
- 12. Intruder attacks home computer because it is not very secure and easy to break into.
- 13. They do attack your computers by send us a E-mail with <u>virus</u>.
- 14. Trojan horses are such programs which are used as the back doors.
- 15. A Virus is a "<u>program</u>" that is loaded onto your computer without your knowledge and runs against your wishes.

- 16. Virus can reach to our computer through <u>CD-Rom</u>.
- 17. Virus can reach to our computer through $\underline{E} \underline{\text{mail.}}$
- 18. Virus can reach to our computer through <u>Websites</u>.
- 19. Virus can reach to our computer through download files.
- 20. Install a security suite that protects the computer against threats such as viruses and worms.
- 21. Handle $\underline{\mathbf{E}}$ $\underline{\mathbf{mail}}$ attachments carefully.
- 22. A person who secretly gets access to a computer system in order to get <u>information</u>, <u>cause</u> <u>damage</u>, etc.
- 23. Hackers attack where they see weakness.
- 24. A system that hasn't been updated recently has flaws in it that can be taken advantage of by hackers.
- 25. Regularly <u>update</u> your operating system.
- 26. Install Anti virus software's.
- 27. The word "malware" comes from the term "Malicious software."
- Malware is any software that infects and damages a computer system without the owner's knowledge or permission.
- 29. Download an <u>anti-malware</u> program that also helps prevent infections.
- 30. Activate Network Threat Protection, Firewall, Antivirus.
- 31. <u>Trojan horses</u> are email viruses that can duplicate themselves, steal information, or harm the computer system.
- 32. These viruses are the most serious threats to computers.
- 33. Security suites, such as <u>Avast Internet</u> Security, will prevent you from downloading Trojan Horses.
- 34. Password attacks are attacks by hackers that are able to determine passwords or find passwords



to different protected <u>electronic</u> <u>areas</u> and <u>social network sites</u>.

- 35. Maintain <u>current software</u> and <u>updates</u>.
- 36. Never share passwords.
- 37. Do not click random links.
- 38. Do not download <u>unfamiliar</u> software off the Internet.
- 39. Log out or lock your computer.
- 40. Remove unnecessary programs or services.
- 41. Frequently back up important documents and files.
- 42. Protects system against viruses, worms, spyware and other unwanted programs.
- 43. Protection against data from theft.
- 44. Protects the computer from being <u>hacked</u>.
- 45. <u>Simple</u> and <u>practical</u> prevention methods are explained in the lesson to prevent PCs from infection.

Lecture No 4

- 1. Cyber security refers to the <u>technologies</u> and <u>processes</u> designed to protect computers, networks and data from unauthorized access and attacks delivered through the Internet by cyber criminals.
- 2. <u>Protecting</u> computer system and information from unauthorized access or destruction / abuse.
- 3. Security deal with three primary issues, called the CIA triad.
- 4. **Confidentiality** Assurance that only authorized user may access a resource.
- 5. **Integrity** Assurance that resources has not been modified.
- 6. Availability Assurance that authorized user may access a resource when requested.
- 7. Protecting information in the digital age requires **<u>constant caution</u>** to deter thieves who would steal financial, proprietary, and personal identification data.
- 8. Cyber security is necessary since it helps in <u>Securing data</u> from threats such as data theft or misuse, also safeguards your system from <u>Viruses</u>.
- 9. Security measures provides full security services to balance the needs of providing information to those who need it with taking action to mitigate the <u>dynamic threats</u> posed by cyber thieves and cyber terrorists.
- 10. Your home computer is the popular target for intruders.
- 11. We can use our computers to <u>attack</u> other computers on the internet.
- 12. Intruder attacks home computer because it is not very **Secure** and easy to **break into**.
- 13. They do attack your computers by send us a E-mail with virus.
- 14. Trojan horses are such programs which are used as the back doors.
- 15. A Virus is a "program" that is loaded onto your computer without your knowledge and runs against your wishes.
- 16. Virus can reach to our computer through <u>CD-Rom</u>.
- 17. Virus can reach to our computer through E mail.
- 18. Virus can reach to our computer through Websites.
- 19. Virus can reach to our computer through download files.
- Install a security suite that protects the computer against threats such as <u>viruses</u> and <u>worms</u>.
- 21. Handle E- mail attachments carefully.

- 22. A person who secretly gets access to a computer system in order to get <u>information</u>, <u>cause</u> damage, etc.
- 23. Hackers attack where they see weakness.
- 24. A system that hasn't been updated recently has flaws in it that can be taken advantage of by hackers.
- 25. Regularly <u>update</u> your operating system.
- 26. Install Anti virus software's.
- 27. The word "malware" comes from the term "Malicious software."
- 28. <u>Malware</u> is any software that infects and damages a computer system without the owner's knowledge or permission.
- 29. Download an anti-malware program that also helps prevent infections.
- 30. Activate Network Threat Protection, Firewall, Antivirus.
- 31. <u>Trojan horses</u> are email viruses that can duplicate themselves, steal information, or harm the computer system.
- 32. These viruses are the most serious threats to computers.
- 33. Security suites, such as Avast Internet Security, will prevent you from downloading Trojan Horses.
- 34. Password attacks are attacks by hackers that are able to determine passwords or find passwords to different protected <u>electronic areas</u> and <u>social network sites</u>.
- 35. Maintain <u>current software</u> and <u>updates</u>.
- 36. Never share passwords.
- 37. Do not click random links.
- 38. Do not download unfamiliar software off the Internet.
- 39. Log out or lock your computer.
- 40. Remove unnecessary programs or services.
- 41. Frequently **back up** important documents and files.
- 42. Protects system against viruses, worms, spyware and other unwanted programs.
- 43. Protection against data from theft.
- 44. Protects the computer from being hacked.
- 45. <u>Simple</u> and <u>practical</u> prevention methods are explained in the lesson to prevent PCs from infection.

Cs204

Mcqs ch (1,

C# 1

- Positive Online Environment of Internet users and a healthy cyber culture for the Internet community
- 2. A <u>recognition</u> of the power of the Internet to benefit oneself and the community at large.
- 3. To **reflect** on how to become a responsible user of social networking sites and a commitment towards building a healthy cyber culture
- Focuses on the construction, maintenance and facilitation of community in <u>electronic</u> networks and computer mediated communication.
- 5. **World Wide Web** is the collection of electronic documents.
- Each electronic document on the web is called a <u>web</u> <u>page.</u>
- 7. Web page can contain **text**, **graphics**, **audio and video**.
- 8. The use of World Wide Web by a people or a group of people for the exchange of social expectations, custom, history and language is called **cyber culture.**
- 9. Like every culture has its own language,
- 10. the cyber culture is not the **exception** to this rule.
- It converts the human written language or symbols to **machine language** and reconverts to human understandable language so the people on the destination can understand.
- Now a day's specially in online chatting the cyber language is creates of new **codes** which affects our daily spoken language.

- 13. The network formed by the co-operative interconnection of a large number of computer networks.
 - No one <u>owns the Internet</u>.
 - There is **no central administration** to the internet.
- Main goal of the internet is to <u>connect several</u> <u>computers together</u> for the exchange of messages and share the information etc.
 - Community of people.
 - Collection of resources.
- or more web pages.
- 16. Web pages are the **building blocks** of the website.
- Web pages includes documents like <u>texts and</u> <u>multimedia contents</u>
- Protocol (IP) network, such as the Internet, or a private local area network (LAN), by referencing a uniform resource locator (URL) that identifies the site.
- 19. Electronic mail, most commonly called email.
- 20. E-mail is the Most widely used <u>application</u> on the internet.
- 21. Messages that are sent electronically from one computer to another is an <u>e-mail message</u>
- ^{22.} A **blog** is a discussion or informational site published on the WorldWide Web consisting of discrete entries ("posts").
- 23. A regularly updated website or web page, typically, runs by **an individual or a small group**

- 24. Any kind of communication over <u>the **Internet**</u> that offers a real-time transmission of text messages from sender to receiver is called <u>online chat</u>.
- 25. Online chat may address **point-to-point** communications as well as multicast communications from one sender to many receivers and video chat, or may be a feature of a web conferencing service.
- 26. Any <u>direct text-based or video-based</u> (webcams), one-on-one chat or one-to-many group chat by using tools such as instant messengers, Internet Relay Chat (IRC) etc.
- **Electronic commerce**, commonly written as **e-commerce**, is the trading or facilitation of trading in products or services using computer networks, such as the Internet.

Commercial transactions conducted electronically on the Internet.

- Online shopping.
- Online market places.
- Business to business buying & selling.
- Online newsletter for marketing prospective.
- 29. A dedicated website or other application which enables users to communicate with each other by posting information, comments, messages, images, videos are referred to as social networks. For example networks like
 - Face book.
 - · Linked in.
 - Twitter.

- Due to worldwide use of computer network, people are now able to get together and form cyber communities that can <u>exchange messages</u> easily through cyberspace.
- Physically meeting has been reduced due to introduction of cyber culture
- 32. <u>Culture</u> is an important process in computer related contexts.
- 33. Culture processes that **create meaning** in actions.
- 34. Cyber culture is indicated to break <u>down borders</u> and barriers, not only between nations but also between <u>groups and individuals</u>
 - separated from each other due to some reasons.
- ^{35.} If cyber culture grows then those who are cut off from cyber culture will feel more isolated from society and will not be properly updates about latest development and fast change.
- 36. The cyber culture has brought great impact on human individual's life.
- 37. In education the style of teaching learning has changed The student teacher <u>interactivity</u> can be formed online.
- The cyber culture has great influence in the **business** world.
- 39. The use of internet for emails and other social networks is our **participation** in the cyber culture
- 40. <u>Face to face</u> communication is becoming weak due to emerging of these social networks.

- ⁴¹. The People who don't have the ability to communicate face to face they can exchange their views, through these **social network**.
- 42. Business decision can be made through <u>video</u> <u>conferences.</u>

Lecture # 2

Traditional E- Commerce

- 1. All the dimensions **are physical** in nature
- 2. Perform all business transactions off-line.
- 3. Buy and sell products through physical <u>agents and</u> <u>representatives.</u>

Pure E- commerce

- 4. All the dimensions are **digital** in nature.
- 5. Pure online (virtual) organizations.
- 6. Buy and sell products online.

Hybrid Approach

- 7. A combination of **physical and digital** dimension
- 8. Primary business carried out in the physical world.
- 9. Provide some services on line.
- 10. <u>B2B Model</u> describes commerce transactions between businesses, such as between a manufacturer and a wholesaler, or between a wholesaler and a retailer.
- 11. The <u>B2C model</u> involves transactions between business organizations and consumers. It applies to any business organization that sells its products

or services to consumers over the Internet. These sites display product information in an online catalog and store it in a database.

12. The **B2C model**

also includes services online banking, travel services, and health information.

Example: www.daraz.pk, www.amazon.com etc....

- 13. A <u>C2B model</u>, is a type of commerce where a consumer or end user
 - provides a product or service to an organization
- 14. The <u>C2C model</u> involves transaction between consumers. Here, a consumer sells directly to another consumer. eBay.com, olx.com, etc...
- _{15.} A consumer uses <u>Web browser</u> to connect to the home page of a merchant's Web site on the Internet.
- 16. The consumer browses the <u>catalog</u> of products featured on the site and selects items to purchase.
- 17. The selected items are placed in the electronic equivalent of a **shopping cart**.
- When the consumer is ready to complete the purchase of selected items, He/she provides <u>a bill-to and ship-to</u> address for purchase and delivery.
- When the payment method is identified and the order is completed at the Commerce Server site, the merchant's site displays a <u>receipt</u> confirming the customer's purchase.

20. The Commerce Server site then forwards the order to a Processing Network for payment processing and fulfilment.

21. Advantages of e commerce

- Faster buying/selling procedure, as well as easy to find products.
- Buying/selling 24/7.
- You can shop anywhere in the world.
- Low operational costs and better quality of services.
- No need of physical company set-ups.
- Easy to start and manage a business.
- Customers can easily select products from different providers without moving around physically.

22. <u>Disadvantages of e commerce</u>

- Communication improvement.
- Unable to examine products personally.
- Not everyone is connected to the Internet.
- There is the possibility of credit card number theft.
- Mechanical failures can cause unpredictable effects on the total processes.

Lecture #3

- 1. <u>Computer crime or cybercrime</u>, refers to any crime that involves a computer, Mobile and a network.
- 2. Computer may be used as <u>a weapon</u> for crime or as a target.
- 3. <u>The Computer as a Target:</u> Using a computer to attack other computers.
- 4. The computer as a weapon: Using a computer to commit real world crimes.

- 5. **Cyber Criminals** Those who are doing crimes by using the computer as a target or an object.
- 6. **Hacking** in simple terms means illegal access into a computer system without the permission of the computer owner/user.
- 7. **Software Piracy** This crime occurs when a person violates copyrights and unauthorized copying of software.
- 8. **Cyber Stalking:** The crime in which the attacker harasses or threaten a victim using electronic communication, such as e-mail, instant messaging (IM), or messages posted to a Web site or on social networking sites.
- 9. Malicious Software are Internet-based software or programs that are used to disrupt a network. The software is used to gain access to a system to steal sensitive information or data or causing damage to software and hardware. (virus, worms, Trojan Horse, web jacking, email bombing etc.)
- 10. <u>Identity Theft</u> A criminal accesses data about a person's bank account, credit cards, debit card and other sensitive information.
- 11. **Cyber Bullying** is when the Internet and related technologies are used to bully other people, in a deliberate, repeated, and hostile manner. This could be done via, text messages or images, personal remarks posted online, hate speeches and posting false statements in order to humiliate or embarrass another person.

- 12. <u>Denial-of-service attack</u> this involves flooding a computer resource with more requests than it can handle. This causes the resource (e.g. a web server) to crash thereby denying authorized users the service offered by the resource.
- 13. **E-mail Spamming & Spoofing**: Email spoofing refers to email that appears to have been originated from one source and it was actually sent from another source. Email "spamming" refers to sending email to thousands and thousands of users similar to a chain letter.
- 14. <u>Computer Vandalism</u> Damaging or destroying data rather than stealing or misusing them is called cyber vandalism. These are program that attach themselves to a file and then circulate.
- 15. Never send your **credit card** number to any site that is not secured.
- 16. Avoid sending any **photograph** online particularly to strangers.
- 17. Do not open mails from **strangers**. This prevents your system from unwanted attacks.
- 18. Don't respond to **harassing or negative** messages.
- 19. Learn more about **Internet** privacy.
- 20. Keep your operating system **up to date**.
- 21. Change passwords <u>frequently</u> and Use hard-to-guess passwords.
- 22. Don't share access to your computers with **strangers**.
- 23. If you have a Wi-Fi network, password **protect** it.
- 24. **Disconnec**t from the Internet when not in use.

Ch # 4,5,6,7,8

- 1. Some of the possible prevention measures. One can take to avoid getting <u>victimized</u> for a cyber-crime
- 2. <u>Virus and Worms</u> is a "program" that is loaded onto your computer without your knowledge and runs against your wishes
- 3. **Hackers** A person who secretly gets access to a computer system in order to get information, cause damage, etc.
- **4.** Hackers attack where they see **weakness**
- **5.** The word "malware" comes from the term "Malicious software."
- **6.** <u>Malware</u> is any software that infects and damages a computer system without the owner's knowledge or permission.
- 7. Download an anti-malware program that also helps prevent infections
- **8.** <u>Trojan horses</u> are email viruses that can duplicate themselves, steal information, or harm the computer system.
- **9.** <u>Trojan horses</u> viruses are the most serious threats to computers
- **10.**Security suites, such as **Avast Internet** Security, will prevent you from downloading Trojan Horses.
- 11. <u>Password attacks</u> are attacks by hackers that are able to determine passwords or find passwords to different protected electronic areas and social network sites
- **12.**Do not download <u>unfamiliar</u> software off the Internet
- 13. The method of hiding plaintext in such a way as to hide its substance is called **encryption**.
- 14. Encrypting plaintext results in unreadable gibberish called cipher text
- **15.**CA is authorized to issue certificates to its computer users. (ACA's role is analogous to a country's government's Passport Office.)
- **16.**The term "<u>Cyber Law"</u> Refers to all the legal and regulatory aspects of the Internet and its users
- **17.**The <u>1st</u> rule of management is delegation. Don't try and do everything yourself because you can't.

18. Cyber regulation 's evolution

UNCITRAL 1966

- Model Law on
- E-Commerce 1996
- E-Signatures 1996
- Wipo Copy Rights Rules 1996
- ▶ Wipo Performance and Phonograms Treaty

Rules 1996

ICANN Uniform Domain Name Disputes

Resolution Policy 1998

- **DMCA** 1998
- **EUCD 2001**
- ▶ ITA 2000
- ▶ The Electronic Transaction Ordinance 2002
- ▶ Prevention of Electronic Crime Ordinance 2008
- **19.**There are different laws, **promulgated** in Pakistan.
- **20.** These laws not only deal with **<u>crime</u>** of Internet
- **21.**These laws deal with all **dimensions** related to computer & networks.
- 22. <u>Two</u> of them are most known. They are:
 - Electronic Transaction Ordinance 2002
 - Electronic / Cyber Crime Bill 2007
- 23. There are 43 sections in this ordinance
- **24.**Spamming is Illegal electronic messages to any person without the permission of the recipient
- 25. There are seemingly 21 'cyber' issues covered in this Bill
- **26.**The <u>FIA</u>, has been given complete and unrestricted control to arrest and confiscate material as they
- **27.**The Government has literally attempted to insert a new word in the **English** language eel necessary
- **28.**The word **TERRORISTIC** is without doubt a figment of their imagination vocabulary
- **29.**Extra <u>territorial Jurisdiction</u> refers to a court's ability to exercise power beyond its territorial limits.

Cs204

Lecture#6::

Mcqs by Zeeshan Nadeem

1. The term "Cyber Law" Refers to all the legal and regulatory aspects of the Internet and its users

2.

Answer: cyber law, internet

1. A hacker changed the value of insulin in a patient's online prescription who was admitted in a hospital the nurse injected that quantity and patient expired.

Answer: Cyber Murder

1. _____ penetrates into every corner of the modern business.
Answer: E-commerce

1. The ____ rule of management is _____
Answer: 1st, delegation

Cyber regulation's evolution Table for remember:

UNCITRAL 1966

Model Law on E-Commerce 1996

E-Signatures 1996

Wipo Copy Rights Rules 1996

Wipo Performance and Phonograms Treaty Rules 1996

ICANN Uniform Domain Name Disputes Resolution Policy 1998

DMCA 1998

EUCD 2001

ITA 2000

The cyber regulations in pakistan

1. The Electronic Transaction Ordinance
Answer: 2002
1. Prevention of Electronic Crime Ordinance
answer: 2008
 The rule of law and lawyer are Answer: Consultancy The Subject matter Expert A blend of Law and Technology All of above
Cs204 Lecture#6
Mcqs by Zeeshan Nadeem
1. The term "Cyber Law" Refers to all the legal and regulatory aspects of the Internet and its users Answer: cyber law, internet
2. A hacker changed the value of insulin in a patient's online prescription who was admitted in a hospital the nurse injected that quantity and patient expired. Answer: Cyber Murder
3 penetrates into every corner of the modern business. Answer: E-commerce ✓
4. The rule of management is Answer: 1st, delegation ✓
Cyber regulation's evolution Table for remember:
UNCITRAL 1966
Model Law on E-Commerce 1996 ✓

E-Signatures 1996
Wipo Copy Rights Rules 1996
Wipo Performance and Phonograms Treaty Rules 1996
ICANN Uniform Domain Name Disputes Resolution Policy 1998
DMCA 1998 ✓
EUCD 2001 ✓
ITA 2000 🗸
The cyber regulations in pakistan 5. The Electronic Transaction Ordinance
Answer: 2002 🗸
6. Prevention of Electronic Crime Ordinance
answer: 2008 🗸
7. The rule of law and lawyer are

Answer:
. Consultancy

. The Subject matter Expert

- . A blend of Law and Technology
- [x] All of above

Prepared by Zeeshan Nadeem

by:- Adnan ameer

Lecture#8

1) The right, power, or authority to administer justice by hearing and determining controversies.

ans:- jurisdiction

2) The right, power, or authority to administer justice by hearing				
ans:- Determining controversies.				
3) Which is not a type of jurisdiction?a) Territorial Jurisdictionb) Extra Territorial Jurisdictionc) celluer jurisdictiond) Cyber Jurisdiction				
ans:- C				
4)Refers-over cases arising in or involvingwithin a defined territory?				
answer:-Territorial jursidictio & persons residing				
5) which of the following is true about Extra territorail jursidiction? a) jurisdiction over cases arising in or involving persons residing within a definedterritory.				
b)The right, power, or authority to administer justice by hearing and determining controversies				
c)refers to a court's ability to exercise power beyond its territorial limits.jursidiction d)Beyond the boundaries of nation statesenforcement of cyber laws uniformly accepted. cyber jursidiction				
Ans:-C				
6) which one is virtual approach of jursidiction beyond states boundaries?				
ans:- Cyber jurisdiction				
7) what is cyber conflict?				
ans:-A tense situation between nation-statesorganized groups where unwelcome cyber attacks may result in retaliation				
8) what is the difference between cyber dispute and cyber attack or conflict??				
ans:- Both are same				

Lecture No 4

- 1. Cyber security refers to the <u>technologies</u> and <u>processes</u> designed to protect computers, networks and data from unauthorized access and attacks delivered through the Internet by cyber criminals.
- 2. <u>Protecting</u> computer system and information from unauthorized access or destruction / abuse.
- 3. Security deal with three primary issues, called the <u>CIA</u> triad.
- 4. <u>Confidentiality</u> Assurance that only authorized user may access a resource.
- 5. <u>Integrity</u> Assurance that resources has not been modified.
- 6. <u>Availability</u> Assurance that authorized user may access a resource when requested.
- 7. Protecting information in the digital age requires <u>constant caution</u> to deter thieves who would steal financial, proprietary, and personal identification data.
- 8. Cyber security is necessary since it helps in <u>securing data</u> from threats such as data theft or misuse, also safeguards your system from <u>viruses</u>.
- 9. Security measures provides full security services to balance the needs of providing information to those who need it with taking action to mitigate the <u>dynamic threats</u> posed by cyber thieves and cyber terrorists.
- 10. Your home computer is the popular target for intruders.
- 11. We can use our computers to <u>attack</u> other computers on the internet.
- 12. Intruder attacks home computer because it is not very <u>secure</u> and easy to <u>break into.</u>
- 13. They do attack your computers by send us a E-mail with virus.
- 14. Trojan horses are such programs which are used as the back doors.
- 15. A Virus is a "program" that is loaded onto your computer without your knowledge and runs against your wishes.
- 16. Virus can reach to our computer through CD-Rom.
- 17. Virus can reach to our computer through \underline{E} mail.
- 18. Virus can reach to our computer through Websites.
- 19. Virus can reach to our computer through download files.
- 20. Install a security suite that protects the computer against threats such as viruses and worms.
- 21. Handle E- mail attachments carefully.
- 22. A person who secretly gets access to a computer system in order to get information, cause damage, etc.
- 23. Hackers attack where they see weakness.
- 24. A system that hasn't been updated recently has flaws in it that can be taken advantage of by <u>hackers</u>.

- 25. Regularly <u>update</u> your operating system.
- 26. Install Anti virus software's.
- 27. The word "malware" comes from the term "Malicious software."
- 28. <u>Malware</u> is any software that infects and damages a computer system without the

owner's knowledge or permission.

- 29. Download an anti-malware program that also helps prevent infections.
- 30. Activate Network Threat Protection, Firewall, Antivirus.
- 31. <u>Trojan horses</u> are email viruses that can duplicate themselves, steal information, or harm the computer system.
- 32. These viruses are the most serious <u>threats</u> to computers.
- 33. Security suites, such as <u>Avast Internet</u> Security, will prevent you from downloading Trojan Horses.
- 34. Password attacks are attacks by hackers that are able to determine passwords or find passwords to different protected <u>electronic areas</u> and <u>social network sites</u>.
- 35. Maintain current software and updates.
- 36. Never share passwords.
- 37. Do not click random links.
- 38. Do not download <u>unfamiliar</u> software off the Internet.
- 39. Log out or lock your computer.
- 40. Remove <u>unnecessary</u> programs or services.
- 41. Frequently <u>back up</u> important documents and files.
- 42. <u>Protects</u> system against viruses, worms, spyware and other unwanted programs.
- 43. Protection against data from theft.
- 44. Protects the computer from being <u>hacked</u>.
- 45. <u>Simple</u> and <u>practical</u> prevention methods are explained in the lesson to prevent PCs from infection.

Prepared by ::: Kamal asghar

- 1. Crimes against a government are referred to ascyber terrorism.
- 2. In this category, criminals hack military websites or circulate propaganda......**Cyber Crime Against Government**
- 3. There are categories of cyber crime....3
- 4. In this case, they can steal a person's bank details and misuse the credit card to make purchases online.....Cyber Crime Against Property
- 5. Damaging or destroying data rather than stealing or misusing them is called **......cvber vandalism**.
- 6. is when the Internet and related technologies are used to bully other people, in a deliberate, repeated, and hostile manner.... **Cyber bullying**
- 7. A criminal accesses data about a person's bank

account, credit cards, debit card and other sensitive information Identity theft
8. The software is used to gain access to a system to steal sensitive information or
data or causing damage to software and hardwareMalicious Software
9The crime in which the attacker harasses or threaten
a victim using electronic communication, such as e-mail, instant
messaging (IM) Cyber stalking
10 This crime occurs when a person violates copyrights
and unauthorized copying of software. Software Piracy
11 in simple terms means illegal access into a
computer system without the permission of the computer owner/use. Haking
12. There are types of cyber crime numrous .

Cyber law Lecture # 7

Made by Ali

- 1. They are two types of cyber law promulgated in Pakistan
- Electronic Transaction Ordinance 2002
- Electronic / Cyber Crime Bill 2007

2. Which was the first IT-relevant legislation created by national lawmakers.

The Electronic Transactions Ordinance (ETO), 2002
3..It ______ for Pakistani e-Commerce locally and globally.
Protection

4} It is heavily taken from foreign law related to cyber crime.

5:ETO Protect Pakistan's critical infrastructure

6:Pre ETO 2002

- } No recognition of electronic documentation
- } No recognition of electronic records
- } No recognition of evidential basis of documents/records
- } Failure to authenticate or identify digital or electronic
- signatures or forms of authentication
- } No online transaction system on legal basis.
- } Electronic Data & Forensic Evidence not covered.
- } No Rules for all of these ...

7:Post ETO 2002

- Electronic Documentation & Records recognized
- } Electronic & Digital forms of authentication &
- identification
- } Messages through email, fax, mobile phones,
- Plastic Cards, Online recognized.

8:There are 43 sections in this ordinance ETO 2002

9:ETO deals with following 8 main areas relating to e-Commerce.

- • Recognition of Electronic Documents
- • Electronic Communications
- • Web Site
- • Digital Signatures Certification Providers
- • Stamp Duty
- • Attestation, certified copies
- • Jurisdiction
- • Offences

10:Violation of privacy information

- Gains or attempts to gain access
- } To any information system with or without any
- purpose
- } To acquire the information unauthorized
- } Imprisonment 7 years
- } Fine Rs. 1 million

11:Damage to information system

- Alter, modify, delete, remove, generate, transmit
- or store information
- } Create hindrance in information access
- } knowingly when not authorized to do so
- } Imprisonment 7 years
- } Fine Rs. 1 million

12:All offences under this __offfences to be non bail able ____Ordinance shall be non- bail able, compoundable and cognizable.

13} :No Court inferior to the Court of Sessions shall try any offence under this prosecution and trail of offences

14:Electronic cyber crime bill 2007 was promulgated by the President of Pakistan on the 31st December 2007.

15:: Electronic cyber crime bill deals with the electronic crimes included:

- • Cyber terrorism
- • Data damage
- • Electronic fraud
- • Electronic forgery
- • Unauthorized access to code
- • Cyber stalking
- • Cyber Spamming/spoofing

16:ELECTRONIC cyver crime bill 2007 apply to every person who commits an offence,irrespective of his nationality or citizenship.

17:Electronic cyber crime bill 2007 exclusive powers to the Federal Investigation

Agency (FIA) to investigate and charge cases against such crimes.

- **18**:} Every respective offence under this __Electronic cyber crime2007_____law has its distinctive punishment which can be imprisonment or/and fine.
- **19**:Whoever with intent to illegal gain or cause harm to the public or any person, damages any data, shall come under this section.... Data damage
- **20**: ELECTRONIC cyber crime bill 2007 punishment was 3 years,3 Lac
- **21**:People for illegal gain get in the way or use any data, electronic system or device or with intent to deceive any person, which act or omissions is likely to cause damage or harm. Electronic fraud
- 22: Electronic fraud Punishment was \ 7 years and 7 Lac
- **23**:} Whoever for unlawful gain interferes with data, electronic system or device, with intent to cause harm or to commit fraud by any input, alteration, or suppression of data, resulting in unauthentic data that it be considered or acted upon for legal purposes as if it were authentic Electronic Forgery:
- **24**:Electronic Forgery: punishment was 7 year and 7 lac

25:Malicious code:

26:} Whoever willfully writes, offers, makes available, distributes or transmits malicious code through an electronic system or device, with intent to cause harm to any electronic system or resulting in the theft or loss of data commits the offence of malicious code.

Punishment: } 5 years and } 5 Lac

27:Cyber stalking:

- 28:} Whoever with intent to harass any person uses computer, computer network,internet, or any other similar means of communication to communicate obscene,vulgar, profane, lewd, lascivious, or indecent language, picture or image.
- } Threaten any illegal or immoral act
- $\}$ Take or distribute pictures or photographs of any person without his knowledge

Commits the offence of cyber stalking.

Punishment: } 3 Years and } 3 Lac

29:Spamming:

} Illegal electronic messages to any person without the permission of the recipient.

Punishment: } 6 month and } 50,000

30::Spoofing:

Whoever establishes a website, or sends an electronic message with a fake source intended to be believed by the recipient or visitor or its electronic system to be an authentic source with intent to gain unauthorized access or obtain valuable information.

31::Punishment: } 3 Years and 3 Lac

Criminal Access 3 3 Lac Criminal Data Access 3 3 Lac Data Damage 3 3 Lac System Damage 3 3 Lac Electronic Fraud 7 7 Lac Electronic Forgery 7 7 Lac Misuse of Device 3 3 Lac Unauthorized access to code 3 3 Lac Malicious code 5 5 Lac Cyber stalking 3 3 Lac Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 6 50000 3 3 10 Life 10	Offence					
Criminal Data Access 3 3 Lac Data Damage 3 3 Lac System Damage 3 3 Lac Electronic Fraud 7 7 Lac Electronic Forgery 7 7 Lac Misuse of Device 3 3 Lac Unauthorized access to code 3 3 Lac Unauthorized access to code 3 3 Lac Unauthorized access to code 3 3 Lac Cyber stalking 3 3 Lac Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 5 5 10 6 50000 3 3 10 Life 10	Imprisonment.	Year.		fine		
Data Damage 3 3 Lac System Damage 3 3 Lac Electronic Fraud 7 7 Lac Electronic Forgery 7 7 Lac Misuse of Device 3 3 Lac Unauthorized access to code 3 3 Lac Unauthorized access to code 3 3 Lac Unauthorized access to code 3 3 Lac Cyber Stalking 3 3 Lac Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Criminal Access 3 3 Lac					3
System Damage 3 3 Lac Electronic Fraud 7 7 Lac Electronic Forgery 7 7 Lac Misuse of Device 3 3 Lac Unauthorized access to code 3 3 Lac Malicious code 5 5 Lac Defamation 5 5 Lac Cyber stalking 3 3 Lac Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 10 10 Life 10	Criminal Data Access					
Electronic Fraud 7 7 Lac Electronic Forgery 7 7 Lac Misuse of Device 3 3 Lac Unauthorized access to code 3 3 Lac Malicious code 5 5 Lac Defamation 5 5 Lac Cyber stalking 3 3 Lac Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 5 5 5 100000 3 3 3	Data Damage 3 3 Lac				3	3
Electronic Forgery 7 7 Lac Misuse of Device 3 3 Lac Unauthorized access to code 3 3 Lac Malicious code 5 5 Lac Malicious 5 5 Lac Cyber stalking 3 3 Lac Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-					
Misuse of Device 3 3 Lac Unauthorized access to code 3 3 Lac Malicious code 5 5 Lac Defamation 5 5 Lac Cyber stalking 3 3 Lac Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 5 5 10000 3 3					3	3
Unauthorized access to code 3 3 Lac Malicious code 5 5 Lac Defamation 5 5 Lac Cyber stalking 3 3 Lac Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 5 10 Life 10						
Malicious code 5 5 Lac 7 7 Defamation 5 5 Lac 7 7 Cyber stalking 3 3 Lac 7 7 Cyber Spamming 6 months 50,000 3 3 Spoofing 3 3 Lac 3 3 Pornography 10 3 3 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 5 3 3 6 50000 3 3 10 Life 10					3	3
Defamation 5 5 Lac Cyber stalking 3 3 Lac Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 5 3 3 6 50000 3 3 10 Life 10			ıc			
Cyber Spamming 6 months 50,000 7 7 Spoofing 3 3 Lac 3 3 Pornography 10 3 3 Cyber terrorism Life 10 Million 5 5 5 5 5 3 3 6 50000 3 3 10 Life 10		c			7	7
Cyber Spamming 6 months 50,000 Spoofing 3 3 Lac Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 5 5 3 3 6 50000 3 3 10 Life 10						
Spoofing 3 3 Lac 3 Pornography 10 3 Cyber terrorism Life 10 Million 5 5 5 5 5 3 3 6 50000 3 3 10 Life 10					7	7
Pornography 10 Cyber terrorism Life 10 Million 5 5 5 5 3 3 6 50000 3 3 10 Life 10		onths 50,000				
Cyber terrorism Life 10 Million 3 3 5 5 5 5 5 3 3 3 6 50000 3 3 10 Life 10					3	3
5 5 5 5 3 3 3 6 50000 3 3 3 Life 10		4.0.3.5.111				
5 5 3 3 6 50000 3 3 10 Life 10	Cyber terrorism Life	10 Million			3	3
5 5 3 3 6 50000 3 3 10 Life 10						
5 5 3 3 6 50000 3 3 10 Life 10					_	_
3 3 6 50000 3 3 10 Life 10					5	5
3 3 6 50000 3 3 10 Life 10					5	5
6 50000 3 3 10 Life 10					3	J
6 50000 3 3 10 Life 10					2	2
3 3 10 Life 10					3	J
10 Life 10					6	50000
10 Life 10					2	2
Life 10					3	3
Life 10						
Life 10					10	
					10	
					Lifo	10
					Life	million

Criticism

- } There are seemingly 21 'cyber' issues covered in this Bill
- } It may seem to cover all aspects of the new digital era.
- } But detailed look shows quite the contrary.
- } Practically in all issues the government has gone the extra
- mile to reinvent a new definition, significantly deviating
- from the internationally accepted norms.

Criticm

- There seems to be an elaborate play of words within the
- document
- } allow room for the regulating body (FIA) to confuse and entrap
- the innocent people
- } The FIA, has been given complete and unrestricted control to
- arrest and confiscate material as they feel necessary
- } A very dangerous supposition
- } Safeguards and Protection

Criticism

- } One example of the hideous nature of the bill:
- • The Government has literally attempted to insert a new word in the
- English language.
- • The word TERRORISTIC is without doubt a figment of their
- imagination vocabulary
- • Hence they attempt to define the word, quite literally compounding
- the problem at hand
- • They have actually defined what real-life terrorism might be
- • But fail to explain what they mean by the word Cyber in cyber
- terrorism.
- • the concern is that there happens to be no clear-cut explanation on
- how a Cyber Terrorism crime is committed.

By: Zeeshan Nadeem