Name: _____   Sec: _____   House: _____

Instructions:
- Memorize these topics, as this will be the part of your first term examination 2020

Virus
A program that disturbs normal working of a system.
It may or may not damages the software

What a virus do
1) Takes control of the system
2) Makes copies
3) Damages files
4) Infect executable files (.Exes)
5) Infect disk drives
6) Infect email files
7) May activates on specific dates
8) Slow down network
9) May steal your personal data

What a virus cant do
1) Cant infect / damage hardware
2) Cant infect / damage write protected disks

Signs of a virus attack
1) System runs slower
2) Software take more time to load
3) Error messages
4) Size of files changes
5) System stops responding
6) Automatic restarting of computer
7) Network slows down

How do viruses spread
1) Emails
2) Infected disks
3) Infected software
4) Network
5) Opening unknown links

Malware – MAL-Malicious WARE-Software
A program that is dangerous for the system
5 types
1) **Computer Viruses**
   3 types
   a) **Program viruses**
      Infects .exe, .com, .dll, files
      Activates as the software runs
      Acid rain, alien 298, Sunday, etc
   b) **Boot viruses**
      Infects boot records of the system
      Booting
      Infects loading of the windows
      More dangerous
      Danish boot, disk killer, etc
   c) **Macro viruses**
      Macro is set of commands written by the user to execute later
      Infects office files
      Melissa, concept, nuclear

2) **Worms**
   Duplicates itself
   Spread by the network
   Emails its copies to others by using address book of the current user and then to others
   Slows down the network
   I love u, codered
3) **Trojan horse**
   Scans your system
   Appears useful
   Steals password, credit card number, etc
   Installed by the user but with the wrong impression
   Netbus, beast
4) **Spyware**
   Also called as Spybots or tracking software
   Secretly gathers information about the user and advertise it
   May enters the system as you download something or click any unknown pop ups
   Steals your information and misuse your system & information
5) **Spam**
   Unwanted emails
   May be from unknown users
   May carry advertisments

How to avoid a Spam
1) Don't give your email to any unknown
2) Use spam filter
3) Delete spam mails without opening them

Preventions from viruses
1) Install antivirus
2) Scan files / data before opening
3) Never open unknown links / files
4) Use firewalls
5) Allow trustworthy users to use your system
6) Create regular backups

Antivirus programs
Requirements for an effective antivirus
1) Should run all the time
2) Must be kept updated
3) Must scans emails & downloaded files automatically

Virus definition
An update of an antivirus program, that contains list of newly released viruses

Join Computer Science Zoom classes by linking through my zoom ID:

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