PENANG SANGAM HIGH SCHOOL P.O.BOX 44, RAKIRAKI

LESSON NOTES 14

Year/Level: 12 Subjects: Computer Studies

Strand:	Computer and Applications
Sub-strand:	CE 12.1.5 Communications and Networks
Content Learning	 Organizational network
Outcome:	✤ Network security

Lesson Notes

Organizational Networks

Internet

- ✤ Is a global system of interconnected computer network
- ✤ It is not regulated by any authority
- Thus content in the network is accessible to everyone connected
- ✤ Users anyone

Intranet

- ✤ Is the name given to a private network specific to an organization
- ✤ It is regulated by an organization
- ✤ Thus the content in the network is accessible only to members of organization
- Users Employees and mangers

Extranet

- ✤ Is a private network that connects more than one organization
- ✤ It is regulated by multiple organization
- The content in the network is accessible to members of organization and external members with access to network.
- Users Business partners

Network Security

Proxy server

- ✤ Is a computer setup to share a resource, usually an Internet connection
- Other computers can request a web page via the proxy server
- The proxy server will then get the page using its internet connection, and pass it back to the computer who asked for it.
- Proxy servers are often used instead of router since additional software can be easily installed on the computer such as anti-virus, web filtering etc.

Firewall

 Is a device, or a piece of software that is placed between your computer and the rest of the network (where the hackers are!)

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Virtual private networks (VPN)

- creates a secure private connection between a remote user and an organization's internal network
- It enables a computer to send and receive data across shared or public networks as if it is directly connected to the private network, while benefiting from the functionality, security and management policies of the private network



Questions

- 1) Differentiate between Internet and Intranet?
- 2) What is the purpose of firewall?
- 3) State the long form of VPN and IDS?
- 4) Explain what the diagram illustrate?



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