



IT CAPS content development

Week 2 lesson 2

SYSTEM

TECHNOLOGIES:

Computer

Management



1. Define the following term referring to network vulnerability:
Virus, worm, trojan, rootkit, e-mail spoofing, website spoofing and phishing
2. Explain the **difference** between a virus, worm and trojan in terms of activation and replication.
3. How does a full backup differ from an incremental backup?
4. *Name three advantages of remote backup?*
5. *What crucial piece of equipment protects a network database's against data corruption in case of a power failure?*
6. *Explain how a server OS protects a network against unauthorised login and use of the network resources?*
7. *Which of the following remedies*
 - a) *Anti virus*
 - b) *Backup*
 - c) *Validation*
 - d) *UPS*
 - e) *Passwords and user rights*
 - f) *Firewalls*
 - g) *Encryption*

can be best used to combat the following computer threats? For some threats more than one remedy can be selected.

- 7.1 Incorrect input data
- 7.2 Loss of a USB flash drive with sensitive data
- 7.3 Fire
- 7.4 Negligent computer users
- 7.5 HDD head crash
- 7.6 Load shedding
- 7.7 Data theft using portable media
- 7.8 A Worm
- 7.9 Hackers