

## SECTION B

Q26

(a) (i) Copyright infringement

Reason: Samson has infringed the copyright of the owner of movie, proprietary software, MP4 and MP3 songs as he has downloaded the movies and copied the movies into CDs and sells them to his friends illegally.

(b) Samson's computer might be attacked by malicious code because his computer screen display unusual message and image and some files become corrupted.

Two ways to prevent:

- ✓ Always have security update for the operating system to patch the security breaches and enhance the system security of the operating system
- ✓ Always update the antivirus software so that the antivirus can detect the latest malicious program.

Q28

(a)

CD-based	Web-based
The content of CD is permanent and unchangeable. Therefore the information can be quickly outdated and the end users are unable to see the latest information immediately.	The multimedia application can be updated easily. Any changes to the content only require the developer to upload to the web site and the end users can see the latest information immediately.
Higher cost because the company has to purchase CD, repackage the new version of application and bear transport cost to deliver the latest version of application.	Cost reduction in the delivery of multimedia application because the company does not need to purchase CDs and bear transport cost to deliver the latest version of application.
Can store high end and high quality multimedia elements. E.g. high resolution pictures and video.	The quality and resolution of pictures and video are limited because the use of higher quality of video and pictures will cause the web pages load slowly.

(b) Publishing

Q30

(a)

STUDENT
<b><u>StudentID</u></b> StudentName StudentAdd StudentDateOfBirth

CONTACT_INFO
<b><u>ContactID</u></b> StudentID StudentHousePhoneNo

(b) email address, mobile phone number

Q31

(a) COCO Bank : bus topology

Setia Bank : star topology

(b) The differences between star topology and bus topology

Bus topology in COCO bank	Star Topology in Setia Bank
There is a single central cable (backbone) and all computers and other devices connect to it.	There is a central host (switch/hub) and all nodes connect to it.
A break in the backbone will cause the whole network fails to function.	If the hub/switch fails, the whole network fails to function.
Terminators are required at both ends of the backbone cable.	No terminators required

(c) The type of network communication technology used between both bank: Extranet  
COCO bank shares its network resources to SETIA bank and not to everyone. Therefore, the network is a private network whereby SETIA bank is the authorized users of its network and able to access parts of its network resources. This network communication technology is built based on the Internet technology that uses TCP/IP protocol.