

## Higher Information Systems

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### 2006 q.12 Using Information Strategies Upgrade Strategy

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Identify **one** factor that would have to be considered in a decision to upgrade a company's computer software and state **why** it would be considered. **(2)**

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### 2006 q.16 Using Information Strategies

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Akrom Enterprises uses a network file server to hold all the applications regularly used by each department along with all the work of each employee stored in home directories.

a. Recommend a back-up strategy for this system. **(5)**

b. Head office has decided to replace the existing word processing package in all its branches with a new one from a different software company. Before reaching its decision the Head office carries out an evaluation of the software. Two criteria used in this evaluation were availability of training and provision of support.

(i). State **four** other criteria that could be used to evaluate software. **(4)**

(ii). Name **two** different methods of providing training. **(2)**

(iii). Head office can supply user support in a variety of ways. Identify the most suitable way and justify your answer. **(2)**

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### 2006 q.9 Using Information Strategies Network Strategy

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What is a *distributed database*? **(2)**

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### 2007 10 Using Information Strategies Software Strategy

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Other than cost, state **two** criteria for evaluating computer software. **(2)**

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### 2007 15 Using Information Strategies Upgrade Strategy

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Discovery Designs Ltd is a web design company with a network of over 50 computers. Each department of Discovery Designs Ltd is allocated a budget for the financial year. Mr MacGregor, manager of the Accounts Department, decides this year to use his allocation to purchase a new word processing package for his department. Mr MacGregor's decision may cause problems for his department and other users in the company.

a. Describe **four** potential problems that may arise. **(8)**

b. State **two** types of strategy that the company should put in place to prevent this situation occurring. **(2)**

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### 2007P q.14 Using Information Strategies Software Strategy

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Many large organisations use *data mining* as a tool for analysing information. Why is this so useful to such organisations? **(2)**

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### 2007P q.7 Using Information Strategies Security Strategy

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One method of implementing a security strategy is by the use of a firewall. What is a firewall? **(2)**

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### 2008 11 Using Information Strategies Software Strategy

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Ahmed has a problem using his project management software.

State **two** means by which Ahmed could obtain *user support* for this software. **(2)**

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### 2008 12 Using Information Strategies Software Strategy

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Explain how online stores such as Amazon make use of *data mining* to promote sales. **(3)**

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### 2008 15ai Using Information Strategies Network Strategy

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A monthly report is produced by several employees creating and editing sections of the document and then sending these to an editor over a Local Area Network.

a. (i). Name a suitable *topology* for this Local Area Network and draw a diagram of this topology. **(2)**

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### 2008 17 Using Information Strategies

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Lachlan is preparing for an interview for the job of network security manager at First Place Ltd. The company has 4 warehouses supplying 40 branches throughout the country. A stock control system is used to manage daily supplies to each branch. As part of the interview he will be asked about a security strategy for the company's organisational information system.

a. State **five** areas concerning security strategies that Lachlan should be prepared to discuss in his interview. **(5)**

b. Describe a suitable backup strategy for First Place Ltd. Your answer should describe:

- a storage method
- a recovery method
- a rotation method. **(5)**

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### 2008P q.16 Using Information Strategies

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Strathcraig High School is installing a new Local Area Network (LAN) and management information system (MIS). The MIS is used to store pupil data and attendance data. The system is also used by all staff to record assessment and progress data about pupils. Nicola is the network manager and has been given the task of developing the information system management strategies the school will use.

- a. As part of the backup strategy Nicola has decided to implement a rotation method for regular backup. Describe a suitable rotation method which Strathcraig High School could use to backup the management information system. Your answer should include mention of frequency and version control. **(6)**
- b. Some members of staff wish to access the information system from home. Describe the security implications of allowing this access. **(4)**
- c. Name and describe two other information system management strategies. **(6)**

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### 2009 11 Using Information Strategies Security Strategy

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Viruses and other malicious software can present a security risk to information systems.

Describe **one** other security risk to an information system. **(2)**

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### 2009 16 Using Information Strategies Software Strategy

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Upgrading software is one aspect of a *software strategy*.

Describe **two** other aspects of a software strategy. **(8)**

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### 2009 17 Using Information Strategies Security Strategy

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Setting up a username and password is one task involved in the creation of a *network account*.

State **three** other settings associated with a network account. **(3)**

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### 2009P q.17 Using Information Strategies

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DGM Solutions have decided to upgrade their computer hardware and software but know potential problems may arise in terms of compatibility.

a. Explain why supporting legacy systems and future proofing may help overcome some of the problems. **(4)**

b. One of the methods of supporting legacy systems is by emulation. What is meant by emulation? **(2)**

c. When the present software was installed the staff were given on-the-job training. Describe **two** other methods of providing training which could be offered to staff when the new software is installed. **(4)**

d. The use of manuals and a help desk are two methods of providing user support. State **two** other methods by which users can be supported in their use of the software. **(2)**