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Oxford Cambridge and RSA

SAMPLE ASSESSMENT MATERIAL

Level 3 Cambridge Technical in IT
05839/ 05840/ 05841/ 05842
Unit 3 Cyber security

PRE-RELEASE

Date – Morning/Afternoon
Time Allowed: 1 hour

INSTRUCTIONS TO CANDIDATES
• This pre-release material may be given to candidates at any time after receipt by the Centre.

INFORMATION FOR CANDIDATES
• You may make yourself familiar with the pre-release material before you take the examination.
• You must **not** take notes into the examination.
• **A clean copy of this pre-release material will be given to you with the question paper.**
• You must **not** take this copy of the pre-release material into the examination.
• This document consists of 4 pages. Any blank pages are indicated.

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Classic Cars

Classic Cars is an organisation that manufactures stylish kit cars and designs and manufactures luxury cars to order. It is located in two continents - Europe and North America. It has three factories, one in the UK, one in Germany and another in Canada. The German and Canadian factories each consist of a large building in which the cars are produced with the following departments:

- Human Resources
- Finance
- Administration
- Production.

There are also offices for the managers of each department.

The headquarters of *Classic Cars is* based next to the UK factory and has the following nine departments:

- Research and Design
- Sales
- Marketing
- Finance
- Administration
- Human Resources
- Quality Assurance
- Logistics
- Technical Support.

The senior management team offices are also located there.

The organisation's operational issues

Classic Cars has approximately two hundred desktop computers and six servers across its four sites. Staff communicate with each other, with customers and suppliers over local area networks, wide area networks and wireless networks. Cloud storage is used increasingly. Many meetings are held using video conferencing. A number of staff work from home and connect to the organisation's networks remotely. Staff are allowed to use their own mobile devices at work and these include a range of mobile devices such as, laptops, tablets, smartphones, external drives and memory sticks.

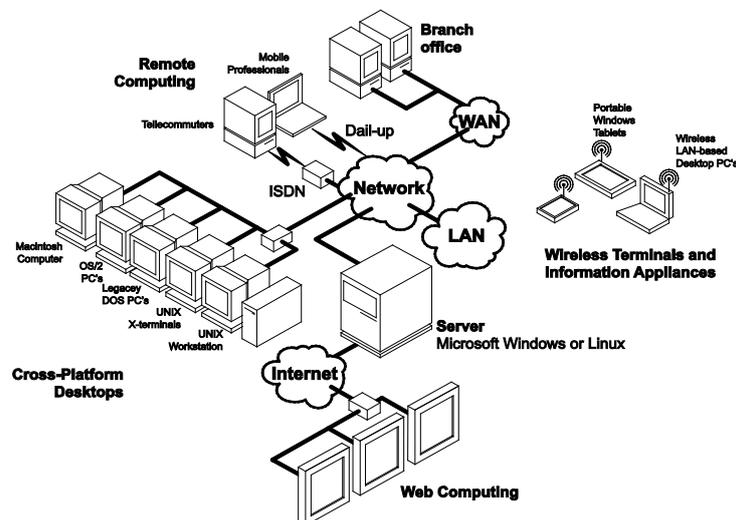Fig. 1 shows the current network system used by *Classic Cars*.

Fig. 1

SPECIMEN

The organisation's information system

The organisation's information system performs a number of essential business processes that include:

- customer orders
- orders for components that are used in the manufacture of the cars from suppliers
- the production of invoices and receipts that are issued to customers
- processing of customer payment details
- processing payments to suppliers
- arranging deliveries to customers
- processing of staff wages, training and holidays.

The data stored and processed by the information system includes staff personal details, customer personal details, supplier details, contractor details and restricted organisation information.

The information system is accessed by various members of staff, including managers, designers, production operatives, administrators, accountants, salespeople, contract staff, technicians and receptionists. Administration staff process customer orders and order stock from the suppliers. Accountants process financial data such as customer's payments, payments to suppliers and staff wages. The management team have access to all parts of the system and all other employees only have access to specific parts of the system.

Recent events at Classic Cars

The Manager of the Research and Design Department at the UK headquarters had been working for some time on a blueprint for a new luxury car. He wanted to contact a number of existing customers about the new car and has stored their personal details on his personal external drive. He also stored a copy of the blueprint of the new car on the external drive. On the way home one evening, he parked outside a supermarket and while he was shopping, the external drive was stolen from his car. The senior managers have called a meeting to discuss cyber security at the organisation. They want their staff to understand the cyber security threats that their organisation faces and to ensure that their networks and information are well protected.

Further Research

To prepare for the examination, you should research the following themes:

- Cyber security issues relating to data of information users
- Types of attackers who pose threats to organisations like Classic Cars to the data it holds
- Importance and purpose of policies, procedures and documentation (both internal and external) when dealing with cyber security issues
- Impacts and effects of cyber security incidents

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