Modified Enlarged 18 pt

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

Thursday 25 May 2023 – Afternoon

Level 3 Cambridge Technical in IT

05839/05840/05841/05842/05877

Unit 3: Cyber security

INSERT

INSTRUCTIONS

Do not send this Insert for marking. Keep it in the centre or recycle it.

INFORMATION

This Insert contains the pre-release material that you have already seen.

Cyber Security Testing

Pen Perimeter

Pen Perimeter, a cyber security company, provides a variety of cyber security services including:

Penetration Tests

Simulated cyber security attacks

Simulating phishing attacks

Tests on:

Web Applications

Mobile Applications

The Wireless Network

The clients of Pen Perimeter include charities, businesses, healthcare providers and government (state) departments.

Pen Perimeter will provide their clients with a Test Report. The Test Report also includes recommendations on how the clients' cyber security can be improved.

Test Report

Part of the Test Report provided by Pen Perimeter includes a summary of the tests conducted with an overview of the current state of cyber security. An example of this overview is given below:

Element Tested	Results Overview
Internal Network	FAIL – several critical issues
Wireless Network	LOW – few low-level vulnerabilities found
Web App	HIGH – vulnerabilities found which constitute a risk
Mobile App	HIGH – vulnerabilities found which constitute a risk
Social Engineering Tests	FAIL – many users gave out their login credentials and viruses were installed on the network
Penetration Tests	HIGH – vulnerabilities found which constitute a risk

Other Services

Pen Perimeter also provides training seminars on different aspects of cyber security including how to complete a cyber security incident report.

Further research

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

The types of clients that Pen Perimeter have, why they might be targets and why they need to protect their data;

Different types of security controls that would be included in the tests;

How the report from Pen Perimeter could be used by its clients, including the impact and implications of the recommendations on stakeholders;

The training that Pen Perimeter would provide to its clients on how to respond to an incident;

The contents of a cyber security incident report, how to fill it in and how to make use of it for future cyber security incidents.