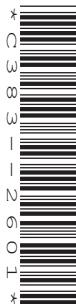


Wednesday 14 January 2026 – Morning

Level 3 Cambridge Technical in IT

05839/05840/05841/05842/05877 Unit 3: Cyber security

PRE-RELEASE



INSTRUCTIONS

- Do **not** take this copy of the pre-release material into the exam.
- Do **not** take any notes into the exam.

INFORMATION

- A clean copy of this pre-release will be given to you with the question paper.
- This document has **4** pages.

PH Furniture

PH Furniture is a company that designs and manufactures bespoke furniture for customers.

Locations

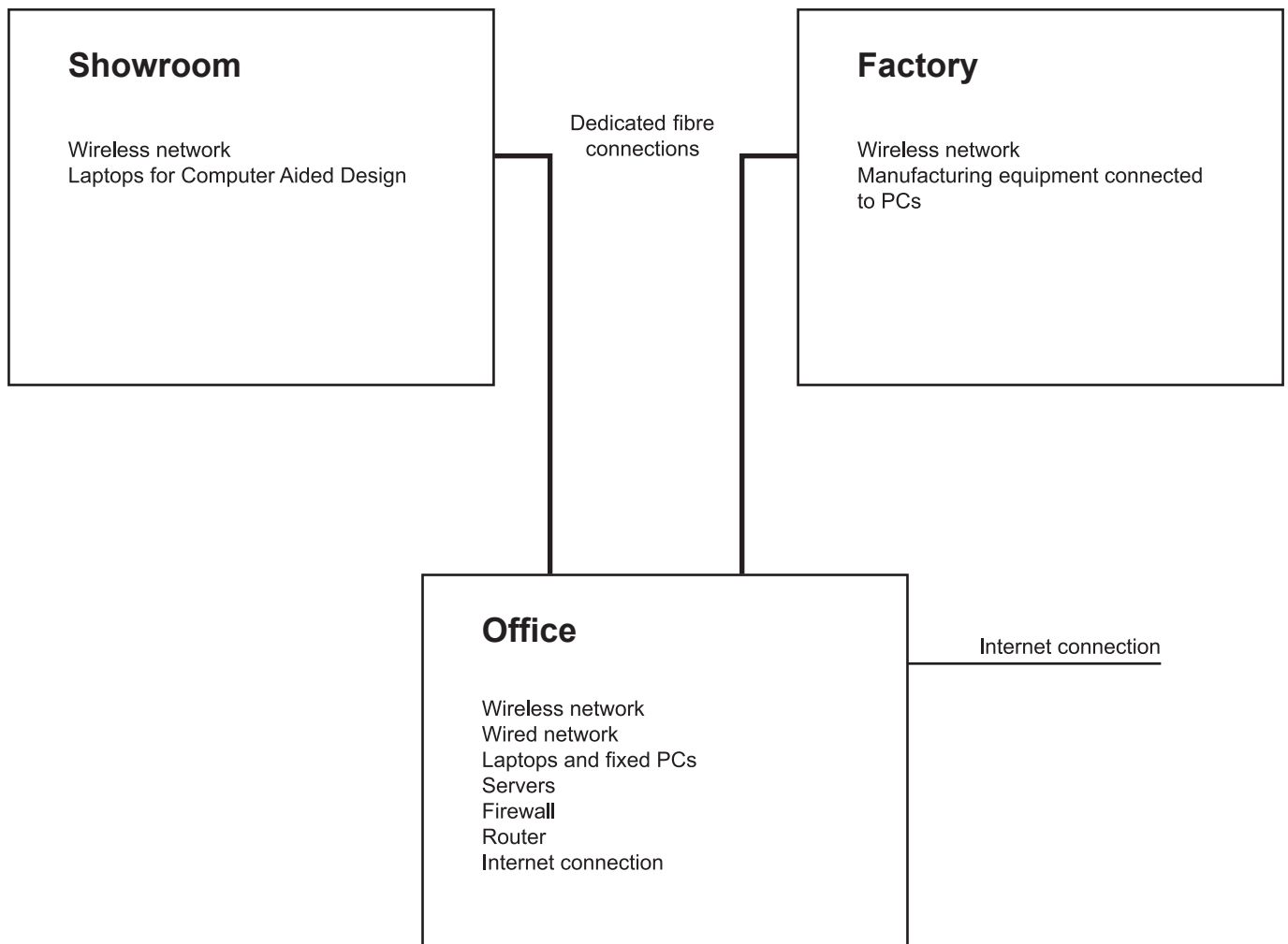
The company is based in three locations around the town:

- a showroom in the town centre where:
 - sample pieces of furniture are displayed,
 - furniture is designed,
 - customer orders are taken;
- an office where the administrative staff, network team and servers are located;
- a factory where the furniture is manufactured.

The three locations are connected by dedicated fibre.

Each location has its own local area network with the internet accessed via the connection in the office. The hardware used in, and the connectivity between, each location is shown in Figure 1.

Figure 1



Information and Preparation

The police have received a list of companies that are targets for a cyber attack. PH Furniture is on the list and have been contacted by the police. PH Furniture have now decided to review their cyber security policies and conduct simulated attacks to test their cyber security defences.

Further research required

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

- considerations PH Furniture need to take into account when testing;
- cyber security control methods that PH Furniture could introduce to improve security;
- how PH Furniture can identify and analyse cyber risks to the company;
- impacts of cyber security incidents on PH Furniture;
- the targets for cyber security threats within PH Furniture and different methods of attack that can be used for each;
- types of attackers that would want to target PH Furniture and their motivations;
- use of vulnerability testing by PH Furniture.

**Copyright Information**

Cambridge OCR is committed to securing permission to reproduce all third-party content that it uses in its assessment materials. If Cambridge OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, Cambridge OCR will be happy to correct its mistake at the earliest possible opportunity. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the Cambridge OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

For queries or further information please contact The Cambridge OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

Cambridge OCR is part of Cambridge University Press & Assessment, which is itself a department of the University of Cambridge.

C383/2601