

Exercise walk-through

Protecting Physical Spaces ■ 2.3

eXercise

You must be able to

- give managerial controls: awareness training, workstation and clean-desk policies
- give physical controls: locks, bollards, card readers, an access control vestibule, a **UPS 不间断电源**
- explain how each control mitigates a specific physical attack

Method — Managerial vs physical

Managerial controls are rules and training (a clean-desk policy, awareness training).
Physical controls are objects that guard the space (locks, fences, bollards, card readers, an access control vestibule).

Method — The access control vestibule

A two-door airlock: the first door must close before the second opens, so only one person passes at a time. This defeats piggybacking and tailgating by design.

Practice 2.1 ■ 2 marks

State two managerial controls that protect a physical workspace.

Solution 2.1

Method: Managerial vs physical

Worked steps

any two of: security-awareness training **B1**; a workstation security policy; a clean-desk policy **B1**.

Practice 2.2 ■ 2 marks

Explain how an **access control vestibule** stops piggybacking.

Solution 2.2

Method: The access control vestibule

Worked steps

it is a two-door airlock letting one person pass at a time **B1**, so no one can follow an authorised person through **B1**.

Practice 2.3 ■ 2 marks

State what a **UPS** does and why it matters.

Solution 2.3

Worked steps

a UPS provides backup power in an outage **B1**, keeping critical devices and services available **B1**.

Exam-style 3.1 ■ 1 mark

Which of these is a managerial control?

A a bollard

B a card reader

C a clean-desk policy

D a door lock

Solution 3.1

Method: Managerial vs physical

- A a bollard
- B a card reader
- C a clean-desk policy 
- D a door lock

Worked steps

C. a policy is a managerial (rule-based) control.

Exam-style 3.2 ■ 1 mark

Disabling USB ports on office computers primarily prevents

- A** power outages
- B** malware from external drives
- C** shoulder surfing
- D** network flooding

Solution 3.2

- A power outages
- B malware from external drives**
- C shoulder surfing
- D network flooding



Worked steps

- B.** blocking USB drives stops malware being loaded from them.

Exam-style 3.3 ■ 1 mark

An office wants to stop unauthorised people entering a secure area.

- (a) Name one physical control they could install.
- (b) Explain how it mitigates the risk.

Solution 3.3

Method: Managerial vs physical

Worked steps

(a) any of: a card reader / an access control vestibule / a lock **B1**. (b) e.g. a card reader denies entry to unauthorised badges **B1** and logs who enters and when **B1**.