



CS5 Network security

Personal learning checklist | 1 of 1

OCR GCSE Computer Science J277 | Paper 1 · Specification 1.4

Name _____ Class _____ Date _____

Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

Support your confidence with explanations, workings, diagrams and tested code. Quick checks do not assess a complete program or evaluation.

I can	Red	Amber	Green
Threats			
Explain forms of malware and their effects on systems and data.	☐	☐	☐
Explain social engineering and phishing and recognise deceptive requests.	☐	☐	☐
Explain brute-force attacks and denial-of-service effects.	☐	☐	☐
Explain interception, data theft and encryption's confidentiality role.	☐	☐	☐
Explain SQL injection and how safe query construction reduces it.	☐	☐	☐
Distinguish a threat from an exploitable vulnerability.	☐	☐	☐
Prevention			
Explain authorised penetration testing and responding to findings.	☐	☐	☐
Explain anti-malware and firewall functions and their limits.	☐	☐	☐
Explain how user access levels limit the consequences of compromise.	☐	☐	☐
Evaluate passwords, authentication and attempt limits against guessing.	☐	☐	☐
Explain encryption-key protection and physical security.	☐	☐	☐
Recommend layered controls for a scenario with residual risks.	☐	☐	☐

My next revision priority _____