conn	ections.	
i.	One characteristic of a LAN is that they are set up over a small geographical area.	
	Give <b>one</b> other characteristic of a LAN.	
		[1
ii.	Describe the benefits of the student changing their home LAN to include wireless connections.	
		[4
iii.	State <b>two</b> drawbacks of changing their home LAN to include wireless connections.	
1		
2		
	[0]	

1. The student's computer is part of their home Local Area Network (LAN). The LAN currently only has wired

**2(a).** Tick  $(\checkmark)$  one or more boxes on each row to identify all of the methods that can help to prevent each threat.

Threat	Anti-malware	Penetration testing	Encryption	Firewall
Spyware				
Brute-force attack				
Data interception				
SQL injection				

<b>(b).</b> Name <b>and</b> describe <b>one</b> threat to a computer system that is <b>not</b> Spyware, Brute Force attack, Data Interception or SQL Injection.
Threat
Description
[3]
3. A library does not use encryption when data is transmitted through its network.
Give <b>two</b> reasons why the library should use encryption.
1
2
[2] 4(a). A software development company wants to protect their computer systems and data from unauthorised
access.  Identify <b>two</b> methods of physical security that the company could use to protect their computer systems.
1
2
[2]
<b>(b).</b> Identify <b>and</b> describe <b>two</b> software-based security methods that a company can use to protect their computer systems and data.
Method 1
Description

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1.4 Network Security

	[6
<b>b).</b> Identify <b>three</b> en procedure that con	errors that the hospital staff could make that may endanger the security of the network. Could be put in place to prevent each error.
Error 1	
Procedure 1	
Error 2	
Procedure 2	
Error 3	

1.4 Network Security

[6]

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**END OF QUESTION PAPER**