 اوتنورسيتي مليسيا قهق السلطان عبدالله UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH	SUBJECT: Data & Network Security		CODE: BCN2023	MARK: /20
	TOPIC: Chapter 5 & 6			
	ASSESSMENT: Lab Assignment	NO: 3	TIME: 2 weeks	

TASK 5

A. Using A Firewall to Stop Attacks


1. Search for any third-party firewall software on the Internet.
2. Install and run the firewall into a lab virtual Windows 7 machine. Make sure the Windows firewall is off.
3. Run back the **THREE (3)** exploits from your previous task (Task 4A lab assignment 2). Make sure the attacks are still successful.
4. Now run the third-party firewall and set it up to make sure that the attacks earlier can be stopped by the firewall.
5. Show inside the firewall logs or its screening area that it has stopped the attacks successfully.

Provide a step-by-step screen snapshot with an explanation.

TASK 6

A. Capture Wireless Access Data Transmission

1. Create and set a Wi-Fi hotspot network environment with a wireless connection using your computer. Connect your phone to the hotspot.
2. Show how you set the network and connected your mobile phone to your Wi-Fi hotspot network. Show a step-by-step screen snapshot of how you configure it until the phone can fully connect to the wireless and get an Internet connection. Report on the wireless security configuration.
3. Run the Wireshark program on your computer and capture traffic from the Wi-Fi hotspot network. Try to log in and access the e-banking system, UMPSA's Kalam website and <http://testphp.vulnweb.com/login.php> website using your phone. Stop the Wireshark capture traffic.
4. Record and report your findings about the data that appeared in the Wireshark from accessing the websites.

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B. Access Point Security

1. Suggest any wireless access point used in the market to strengthen security in a home wireless environment. Based on its function, justify your choice of the access point based on the security point of view.
2. Provide a reference for the product selection.

Marking Guide

Item	0	In between	Full mark
Front page	Not provide		Provide all
Task 5	Not provide	Missing task and not complete	Provide all and complete
Task 6	Not provide	Missing task and not complete	Provide all and complete
List of references	Not provide		Correct and complete