**NIT2102 Cyber Security Essentials**

**Lab Test - A**

**Total Marks 20 (20% of Final Score)**

**Time: 100 Min = Part A (30 Min) + Break (10 Min) + Part B (70 Min)**

**Student Name :**

**Student ID :**

**Part A: Multiple Choice Questions (MCQs) – 10 Marks**

**Go to VU Collaborate and under the Assessment tab you can see a quiz link under Practical Test A: Part 1. Attempt the quiz.**

**Part B: Implementation (1 + 3 + 3 + 3) = 10 Marks**

1. Use Kali Linux and Metasploitable machines, to find the IP address of both machines, use the ping utility to show a successful ping result from any machine to the other.

**Response:** [Place the screenshot and the script below]

(1 Mark)

1. Employ Kali Linux and Metasploitable machines, launch DVWA, adjust DVWA security to the appropriate level, and execute your script within the 'XSS reflected' context. Utilize an image of the **Australian flag** to change the website's **background**.

**Response:** [Place the screenshots and the script below]

(3 Marks)

1. Using sqlmap tool in Kali Linux and targeting this URL (<http://testphp.vulnweb.com/listproducts.php?cat=1>)

Could you retrieve the list of columns in the artist table? Display all the screenshots, with your final screenshot looking like the one below.A screenshot of a computer

Description automatically generated

**Response**: [Place the steps and screenshots below]

(3Marks)

1. Use the SE Tool within Kali Linux to clone the login page shown in the screenshot below. Present all the screenshots depicting each step of cloning and capturing the credentials.

(3 Marks)

[Your last screenshot displays the cloned website along with the captured credentials]. A screenshot of a computer

Description automatically generated

**Response**: [Place the steps and screenshots below]

**Submission Details:**

* Steps executed in your machine need to be documented as screenshots. Therefore, take screenshots of every step of your work as you go and put them in the Word file.
* The screenshots are the evidence of your work.
* Submit the Word file and any other materials you think are relevant in the drop box before you leave the lab.
* Any assumptions you made must be clearly stated in the submitted document.
* Feel free to add any comments/assumptions you made to the document as needed.