Lab #5 - Assessment Worksheet

Attacking a Vulnerable Web Application and Database

Course Name and Number:

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Student Name:

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Instructor Name:

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Lab Due Date:

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Lab Assessment Questions & Answers

1. Why is it critical to perform a penetration test on a web application and a web server prior to production implementation?

2. What is a cross-site scripting attack? Explain in your own words.

3. What is a reflective cross-site scripting attack?

4. Based on the tests you performed in this lab, which web application attack is more likely to extract privacy data elements out of a database?

5. If you can monitor when SQL injections are performed on an SQL database, what would you recommend as a security countermeasure to monitor your production SQL databases?

6. Given that Apache and Internet Information Services (IIS) are the two most popular web application servers for Linux and Microsoft® Windows platforms, what would you do to identify known software vulnerabilities and exploits?

7. What can you do to ensure that your organization incorporates penetration testing and

web application testing as part of its implementation procedures?

8. What is the purpose of setting the DVWA security level to low before beginning the remaining lab steps?