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QUESTION 1

Multiple choice question (3/3 MARKS)

Below is an XSS filter. How will you bypass it to create a popup?

```
$input=$_GET['user_name'];  
echo(remove_xss($input));  
  
remove_xss($input){  
  convert $input to lowercase  
  remove all "script"  
  remove all double and single quotes  
  Remove all img, iframe, onclick, body, svg, button, div, video  
  Remove all equal-to signs  
}
```

☐ A. `<h1 onmouseover=alert(1)>`

☐ B. `<script>alert(1)</script>`

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☐ B. `<script>alert(1)</script>`

☐ C. `<javascript>alert(1)</javascript>`

☒ D. `<script>alert(1)</script>`

☐ E. None of the above

That's right!

Solution

Correct answer : D

Your answer : D

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QUESTION 2

Multiple choice question (2/2 MARKS)

What can be the uses of "web.archive.org"?

☐ A. Used to see how a website used to look at a certain time in the past

☐ B. Used to download files from links that have expired but used to work previously

☐ C. Search for ex-employees of a company

☒ D. All of the above

☐ E. None of the above

Bravo! Correct answer.

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QUESTION 3

Multiple choice question (1/1 MARKS)

What is Phreaking?

☐ A. Hacking into Websites and Web servers

☒ B. Hacking into telephone networks

☐ C. Hacking into cable TV networks

☐ D. Hacking humans

That's right!

Solution

Correct answer : B

Your answer : B

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QUESTION 4

Multiple choice question (2/2 MARKS)

Which of the following tools is used to find common files and folders on websites?

☒ A. DirBuster

☐ B. Nmap

☐ C. sqlmap

☐ D. Burp Suite

Excellent! Correct answer.

Solution

Correct answer : A

Your answer : A

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QUESTION 5

Multiple choice question (1/1 MARKS)

Which of the following Intruder options is suitable for bruteforcing usernames and passwords?

☐ A. Sniper

☒ B. Cluster Bomb

☐ C. Pitch Fork

☐ D. Battle Ram

Bravo! Correct answer.

Solution

Correct answer : B

Your answer : B

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QUESTION 6

Multiple choice question (1/1 MARKS)

What is the purpose of "dnsdumpster.com"?

☐ A. To convert a Domain name to an IP

☐ B. To convert an IP to a domain name

☒ C. To find subdomains of a given domain

☐ D. All of the above

☐ E. None of the above

That's right!

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QUESTION 7

Multiple choice question (3/3 MARKS)

NMAP is used for which of the following purposes?

☐ A. Find open ports on a server.

☐ B. Find TCP services on a server.

☐ C. Find UDP based services.

☐ D. Find the software and version number of services on a server.

☒ E. All of above.

Excellent! Correct answer.

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QUESTION 8

Multiple choice question (2/2 MARKS)

Proxy is better than VPN. This is true or false in terms of which of these factors?

☐ A. Anonymity

☐ B. Security

☒ C. Cost

☐ D. Speed

That's right!

Solution

Correct answer : C

Your answer : C

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QUESTION 9

Multiple choice question (2/2 MARKS)

What will happen when the "yolo" button is clicked?

```
<body>
<a href="http://google.com" id="link1" >clickme</a>
<button onclick="alert(document.getElementById('link1').href)">yolo</button>
</body>
```

☒ A. Popup with a text: http://google.com

☐ B. Popup with a text: clickme

☐ C. Error

☐ D. Popup with a text: undefined

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QUESTION 10

Multiple choice question (3/3 MARKS)

Which authentication bypass payload will work for this login query (assume your input will go in place of the word 'admin')?
Select * from login where user="admin" && pass="password"

☐ A. * or "1"="1"

☒ B. * or 1=1--

☐ C. , or "1"="1"

☐ D. , or "1"="1"

Bravo! Correct answer.

Solution

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QUESTION 11

Multiple choice question (2/2 MARKS)

Which of the following is an internal IP address?

☐ A. 56.251.36.44

☐ B. 111.111.111.111

☒ C. 172.16.96.123

☐ D. 100.2.36.89

☐ E. None of the above

That's right!

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QUESTION 12

Multiple choice question (1/1 MARKS)

How many valid IP addresses are possible in the given IP range (both ends included)? 192.168.0.0 to 192.168.255.255.

☐ A. 255

☐ B. 256

☒ C. 65536

☐ D. 512

Bravo! Correct answer.

Solution

Correct answer : C

Your answer : C

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QUESTION 13

Multiple choice question (2/2 MARKS)

What will be the output of the following PHP code?

```
<?php
$a=1;
while($a < 10){
    echo("hello");
}
?>
```

☐ A. "hello" is displayed 10 times

☐ B. "hello" is displayed 10 times in the same line

☐ C. "hello" is displayed 9 times

☐ D. "hello" is displayed 9 times in the same line

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`}`
`>>`

☐ A. "hello" is displayed 10 times

☐ B. "hello" is displayed 10 times in the same line

☐ C. "hello" is displayed 9 times

☐ D. "hello" is displayed 9 times in the same line

☒ E. Infinite never ending loop

Well done! Correct answer.

Solution

Correct answer : E

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QUESTION 14

Multiple choice question (1/1 MARKS)

Uploading a txt file when website is asking for jpg file. This is a part of:

☒ A. VA

☐ B. PT

That's right!

Solution

Correct answer : A

Your answer : A

Explanation

This is part of Vulnerability Assessment (VA) where we are simply trying to see if the website is checking the file type or not. Instead, if this step works and then we try uploading a PHP shell, that will come under Penetration Testing (PT).

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QUESTION 15

Multiple choice question (2/2 MARKS)

In time based SQL injection, we ask the website:
If `length(database())>5` Then `sleep(10)`
If the website responds after 10 seconds, we get to know that the length of the database name is greater than 5.

☒ A. True

☐ B. False

Well done! Correct answer.

Solution

Correct answer : A

Your answer : A

Explanation

In time based SQL injections, we ask the website yes/no questions and tell the website to sleep for x seconds in case of a true/false statement. This is helpful when no other techniques are working.

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QUESTION 16

Multiple choice question (1/1 MARKS)

You can brute force cookies with Burp Suite.

☒ A. True

☐ B. False

Well done! Correct answer.

Solution

Correct answer : A

Your answer : A

Explanation

With Burp Intruder, you can brute force any part of an HTTP request. To do this, we need to send the request to the intruder and in the positions tab, simply select the cookie value you want to brute force and click the add button.

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QUESTION 17

Multiple choice question (2/2 MARKS)

Which of the following sqlmap script can be used to load HTTP request from a file?

☒ A. -r

☐ B. -request

☐ C. -f

☐ D. --load-file

Excellent! Correct answer.

Solution

Correct answer : A

Your answer : A

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QUESTION 18

Multiple choice question (1/1 MARKS)

Lease time is used in which protocol?

☐ A. DNS

☐ B. ARP

☐ C. ICMP

☒ D. DHCP

Perfect! You got this right.

Solution

Correct answer : D

Your answer : D

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QUESTION 19

Multiple choice question (2/2 MARKS)

In the below given google dork, what will be searched in the SQL files?
"admin" ext:sql site:x.com intext:password -download

☐ A. admin

☒ B. admin and password

☐ C. password

☐ D. download

Bravo! Correct answer.

Solution

Correct answer : B

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QUESTION 20

Multiple choice question (2/2 MARKS)

Which of the following commands is used to see what computers we are connected with?

☒ A. Netstat

☐ B. Ipconfig /show_connections

☐ C. WiFi icon in the taskbar

☐ D. ping command

Excellent! Correct answer.

Solution

Correct answer : A

Your answer : A

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QUESTION 21

Multiple choice question (1/1 MARKS)

The more ports open on a server, the more are the chances of it being vulnerable.

☒ A. True

☐ B. False

That's right!

Solution

Correct answer : A

Your answer : A

Explanation

Each port on a server is running a service and the more services there are running on a server, the more there is a chance that one of them has some vulnerability and some exploit. Hence, on servers, only those ports should be opened, which are actually being used by users and are properly secured.

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QUESTION 22

Multiple choice question (2/2 MARKS)

What is the main purpose of UNION command in SQL?

☐ A. Help in SQL injection

☒ B. Join output of 2 or more queries

☐ C. Extract data from username and password columns

☐ D. Find table names and column names in a website

That's right!

Solution

Correct answer : B

Your answer : B

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QUESTION 23

Multiple choice question (1/1 MARKS)

Below is a part of PHP code in the file upload function of a website. How will you bypass this and upload a usable PHP shell on the website?

```
if($filename contains "php"){ die("GO AWAY HACKER!!!"); }
```

☒ A. Upload shell.php

☐ B. Upload shell.php.txt

☐ C. Upload shell.txt

☐ D. All of the above

☐ E. None of the above



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QUESTION 24

Multiple choice question (1/1 MARKS)

You report a vulnerability to a company telling them about a vulnerability in "Yoast SEO" plugin in their WordPress. What will you recommend them to patch it?

☐ A. Use a different plugin.

☐ B. Make SEO feature manual instead of a plugin.

☐ C. Update WordPress to the latest version.

☒ D. Install the patch for Yoast SEO plugin and update the plugin to its latest version.

Well done! Correct answer.

Solution

Correct answer : D



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QUESTION 25

Multiple choice question (2/2 MARKS)

Which layer in the OSI model is responsible to encode and compress data?

☐ A. Network

☐ B. Transport

☒ C. Presentation

☐ D. Application

Well done! Correct answer.

Solution

Correct answer : C

Your answer : C

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QUESTION 26

Multiple choice question (2/2 MARKS)

You run Dirbuster and find the default login page of an application. You guess the password and get admin access to the website. Which of the following will you not include in the PoC?

☒ A. Dirbuster screenshot.

☐ B. Screenshot of the login page.

☐ C. Default password that worked.

☐ D. Screenshot of the page after login.

☐ E. Screenshots of critical things you are able to find/do after login.

Excellent! Correct answer.

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QUESTION 27

Multiple choice question (1/1 MARKS)

Checking how many requests are coming from a specific user/IP for a specific resource like an account or some data, and blocking them if too many requests are being made in a small amount of time is called _____.

☐ A. Brute Forcing

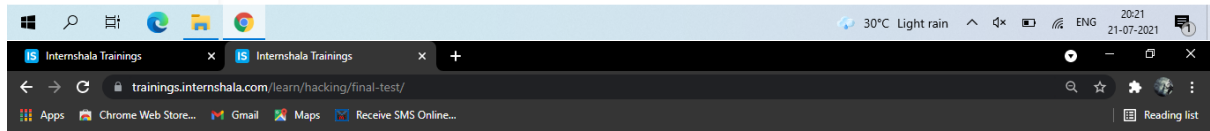
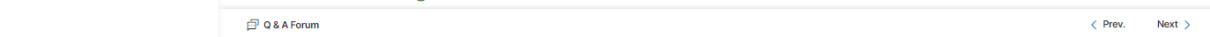
☐ B. Patching

☒ C. Rate Limiting

☐ D. Firewall

☐ E. IDOR

Excellent! Correct answer.



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QUESTION 28

Multiple choice question (1/1 MARKS)

Burp Suite can be used to find vulnerabilities on its own, confirm vulnerabilities found with other tools, and exploit vulnerability to steal data.

☒ A. True

☐ B. False

Well done! Correct answer.

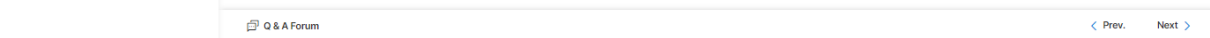
Solution

Correct answer : A

Your answer : A

Explanation

Burp Suite can be used to find vulnerabilities manually using the HTTP repeater option or the paid automatic scanner. It can also be used to confirm vulnerabilities found by other tools like trying SQL injection in a POST parameter found by SQLmap and it can be used to exploit SQL injection to dump table names and data inside it.



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QUESTION 29

Multiple choice question (1/1 MARKS)

The following exploit is made in which language?
<https://www.exploit-db.com/exploits/46330>
(Hint: You can open the exploit and check.)

☐ A. Python

☐ B. Perl

☐ C. C

☐ D. Bash

☒ E. None of the above

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QUESTION 30

Multiple choice question (2/2 MARKS)

Which vulnerability is least probable in this URL:
http://site.com/home.php?document_id=1056

☐ A. SQL injection

☐ B. IDOR

☐ C. PHP Error Messages

☒ D. Stored XSS

Excellent! Correct answer.

Solution

Correct answer : D

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QUESTION 31

Multiple choice question (1/1 MARKS)

HTTPS requests are made so that the hackers cannot intercept them and see the data in them while they are being transferred. This makes it impossible to intercept and tamper HTTPS requests.

☐ A. True

☒ B. False

Bravol Correct answer.

Solution

Correct answer : B

Your answer : B

Explanation

We can still intercept HTTPS requests after installing the Burp CA certificate in our browser just like we did in the training through a 3rd party. A hacker cannot do this until he installs the certificate in the victim's browser.

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QUESTION 32

Multiple choice question (2/2 MARKS)

What will be the output of this SQL query?
SELECT news_title FROM news WHERE news_id=1 UNION SELECT password FROM users

☐ A. A row containing 'news' title whose id is 1 and second row containing a 'password'.

☒ B. A row containing 'news' title whose id is 1 and then rows containing all the passwords in the users table.

☐ C. Error.

Well done! Correct answer.

Solution

Correct answer : B

Your answer : B

Explanation

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QUESTION 33

Multiple choice question (2/2 MARKS)

Why do we need to put CA certificate of the burp in our browser?

☐ A. To intercept HTTPs requests of websites

☐ B. So that our browser can trust Burp suite and allow intercept

☐ C. To do pentesting easily on all the websites

☒ D. All of the above

Well done! Correct answer.

Solution

Correct answer : D

Your answer : D

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QUESTION 34

Multiple choice question (2/2 MARKS)

If you are connected to the internet at your home, which of these will you definitely have?

☐ A. Internal IP address

☐ B. External IP address

☒ C. Both of the above

☐ D. Neither option 1, nor 2 is necessary

Perfect! You got this right.

Solution

Correct answer : C

Your answer : C

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QUESTION 35

Multiple choice question (2/2 MARKS)

What of the following is not a purpose of cookies?

☐ A. Store client related data on the user's browser instead of the server.

☐ B. Provide personalised experience to each user.

☐ C. Help in authenticating and authorising the users for security.

☒ D. Help in preventing SQL injection attacks.

Well done! Correct answer.

Solution

Correct answer : D

Your answer : D

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QUESTION 36

Multiple choice question (1/1 MARKS)

MAC address is used to logically trace the path to reach a device on the network.

☐ A. True

☒ B. False

Bravo! Correct answer.

Solution

Correct answer : B

Your answer : B

Explanation

IP Address is the logical address used to trace the path to a network device. MAC address on the other hand is used as a physical identifier since each network adapter in the world (LAN card, WIFI Card and Bluetooth hardware chips inside laptops and computers) are assigned a unique MAC address right when they are produced in the factories.

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QUESTION 37

Multiple choice question (2/2 MARKS)

You must put a detailed business impact in both developer and management level report.

☒ A. True

☐ B. False

Perfect! You got this right.

Solution

Correct answer : A

Your answer : A

Explanation

The business impact should be properly conveyed to both the developers and the higher management as they both need to know how critical a bug is so that they can prioritize patching the bugs.

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QUESTION 38

Multiple choice question (2/2 MARKS)

Which of these HTTP methods can be used to send data to a web server from a browser?

☐ A. GET

☐ B. POST

☒ C. Both of the above

☐ D. None of the above

Excellent! Correct answer.

Solution

Correct answer : C

Your answer : C

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QUESTION 39

Multiple choice question (1/1 MARKS)

When you type api.facebook.com in the browser, the following steps will be taken to resolve the name (ignore caching):

Entry will be checked in the hosts file.
DNS request will be sent to the router.
The router will send it to ISP DNS provider using static IP.
DNS provider will send the request to .com TLD server.
.com will send it to Facebook authoritative name server.
Facebook authoritative name server will check for subdomain entries.
It will pick the IP address of api.facebook.com entry and return the IP back.
Which of the following steps is missing here?

☐ A. Request sent to the second level name server

☒ B. Request sent to root name server

☐ C. Both (a) and (b)

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QUESTION 40

Multiple choice question (2/2 MARKS)

WordPress default login page is at which URL?

☐ A. site.com/login

☒ B. site.com/wp-login

☐ C. site.com/admin

☐ D. site.com/wplogin

Well done! Correct answer.

Solution

Correct answer : B

Your answer : B

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QUESTION 41

Multiple choice question (2/2 MARKS)

In which of the following URL you are most likely to find an Apache tomcat login page?

☐ A. http://site.com/html/manager

☒ B. http://site.com/manager/html

☐ C. http://site.com/tomcat

☐ D. http://site.com/apache/admin

Excellent! Correct answer.

Solution

Correct answer : B

Your answer : B

Q & A Forum

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30°C Light rain

20:22

21-07-2021