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Announcements

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 Quiz : Assignment on Module 6

 Answers to module 6 Assignments

Assignment on Module 6

The due date for submitting this assignment has passed. **Due on 2015-03-02, 11:59 IST.**

Submitted assignment

1) Which of the following Best describes a 'website' 1 point

- A target or landing page for a URL
- An HTML page with lots of external links
- A set of related web-pages stored under a single domain
- A page that run online application

No, the answer is incorrect.

Score: 0

Accepted Answers:

A set of related web-pages stored under a single domain

2) OWASP stands for 1 point

- Open Web Association Security Protocol
- Only Web Association Security Principle
- Open Web Application Security Project
- Open Web Access Security Protocol

No, the answer is incorrect.

Score: 0

Accepted Answers:

Open Web Application Security Project

3) True or False: To reduce the Logical Vulnerabilities of a web application we would often need design/ architectural changes 1 point

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

4) Name the Penetration testing tool for finding application vulnerabilities from OWASP 1 point

- Zed Attack Proxy
- Enterprise Security API
- Security Shepherd
- STRIDE

No, the answer is incorrect.

Score: 0

Accepted Answers:

Zed Attack Proxy

5) An application from OWASP for EDUCATION on web and mobile application security **1 point**

- Zed Attack Proxy
- Enterprise Security API
- Security Shepherd
- STRIDE

No, the answer is incorrect.

Score: 0

Accepted Answers:

Security Shepherd

6) Which of the following is a popular Web application risks? **1 point**

- HTTPS Protocol
- Cross Site Scripting
- Hacker code
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Cross Site Scripting

7) SDLC stands for **1 point**

- Secure Development Life Cycle
- Software Development Lifecycle
- Security Deployment Lifecycle
- Software Deployment Livecycle

No, the answer is incorrect.

Score: 0

Accepted Answers:

Software Development Lifecycle

8) When a web application is vulnerable to an SQL injection, but does not return error messages, it may still be susceptible to **1 point**

- SQL Injection
- Blind SQL Injection
- URL Injection
- OS Command Injection

No, the answer is incorrect.

Score: 0

Accepted Answers:

Blind SQL Injection

9) An attacker submits hostile data through a Web page that stores it in a file, database, or other data store, and depends on some other Web page or mid-tier application to use that hostile data in the construction of a SQL statement. **1 point**

- Blind SQL Injection
- SQL Injection
- Second-order SQL Injection
- OS Command Injection

No, the answer is incorrect.

Score: 0

Accepted Answers:*Second-order SQL Injection*

10) SQL Injection affects

1 point

- Confidentiality
- Integrity
- Availability
- All of the Above

No, the answer is incorrect.**Score: 0****Accepted Answers:***All of the Above*

11) For preventing CSRF we should use

1 point

- GET method
- POST method
- TRACK method
- OPTIONS method

No, the answer is incorrect.**Score: 0****Accepted Answers:***POST method*

12) SSL stands for

1 point

- Service Security Level
- Secure Software Layer
- Secure Socket Layer
- Service Software Language

No, the answer is incorrect.**Score: 0****Accepted Answers:***Secure Socket Layer*

13) CGI stands for

1 point

- Communication Gateway Interface
- Common Gateway Interface
- Communication Gateway Information
- Common Gateway Information

No, the answer is incorrect.**Score: 0****Accepted Answers:***Common Gateway Interface*

14) Which of the following is true for APT (Advanced persistent threat)

1 point

- APT is often fueled by business and political motives
- APT often target a single organization
- The APT targets only government assets
- The operators continuously monitor the interaction in order to achieve the defined objective

No, the answer is incorrect.**Score: 0****Accepted Answers:***APT is often fueled by business and political motives**APT often target a single organization**The operators continuously monitor the interaction in order to achieve the defined objective*

15) Which of the following factors contribute to risk rating to the security of the system? Choose **1 point**
all correct choices

- The overall prevalence of Vulnerability
- The easiness of Detecting the Vulnerability
- The technical impact of the threat
- The Asset Value

No, the answer is incorrect.

Score: 0

Accepted Answers:

The overall prevalence of Vulnerability

The easiness of Detecting the Vulnerability

The technical impact of the threat

The Asset Value

16) The method of executing system level commands through a vulnerable application ? **1 point**

- Admin Hacking
- Missing Authorization
- OS Command Injection
- SQL injection

No, the answer is incorrect.

Score: 0

Accepted Answers:

OS Command Injection

17) When access control checks are incorrectly applied, users are able to access data or perform actions that they should not be allowed to perform. This method is called **1 point**

- Invalid Authorization
- Missing Authorization
- Non-existent Authorization
- Incorrect Authorization

No, the answer is incorrect.

Score: 0

Accepted Answers:

Incorrect Authorization

18) Choose the safest way to retrieve a password, among the ways given below? **1 point**

- Ask the customer's phone number and message the password to the phone
- Ask for registered username and give link for password reset on screen
- Ask for registered email or phone and verify if database before giving the link for password reset on screen
- Ask for username and sent the password link to the registered email-id or registered phone

No, the answer is incorrect.

Score: 0

Accepted Answers:

Ask for username and sent the password link to the registered email-id or registered phone

19) Name the risk a web application possesses when it does not sufficiently verify whether a well-formed, valid, consistent request was intentionally provided by the user who submitted the request. **1 point**

- Cross-Site Request Forgery (CSRF)
- SQL injection
- Missing Authorization
- Unrestricted Upload of File with Dangerous Type

No, the answer is incorrect.

Score: 0

Accepted Answers:

Cross-Site Request Forgery (CSRF)

20) Pick out the strongest password from the given lot

1 point

- password
- asdfg12345
- P@33W@d
- xk3dC0ml@s

No, the answer is incorrect.

Score: 0

Accepted Answers:

xk3dC0ml@s

21) Pick out the information that that should be leaked to user upon some error?

1 point

- Stacktrace
- The failed SQL Query
- A failed Authorization
- Database Schema Details

No, the answer is incorrect.

Score: 0

Accepted Answers:

A failed Authorization

22) Choose the practices that would prevent information leakage from a web app?

1 point

- Remove comments from HTML and JavaScript pages
- Displaying a custom error message
- Make sure that different error handling mechanism returns at roughly same time
- All of the Above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the Above

23) Which one of the following is an Open source DBMS

1 point

- Oracle Database
- Microsoft SQL Server
- MySQL
- SAP Sybase

No, the answer is incorrect.

Score: 0

Accepted Answers:

MySQL

24) Pick out the WRONG statement

1 point

- In HTTP, Credentials of the user need to be send on every Request
- SSL/TLS can be used to encrypt credentials to prevent man in middle attack
- HTTP is applicable at the transport layer in OSI Mode
- None of the Above

No, the answer is incorrect.

Score: 0

Accepted Answers:

HTTP is applicable at the transport layer in OSI Mode

25)What can we say about the prevalence of Cross-Site Scripting according to OWASP 2013 list? **1 point**

- Average
- Rare
- Very Widespread
- Common

No, the answer is incorrect.

Score: 0

Accepted Answers:

Very Widespread

26)Verifying user authorization to access target object will help to protect against **1 point**

- XSS
- Security misconfiguration
- Insecure Direct Object Reference
- Injection

No, the answer is incorrect.

Score: 0

Accepted Answers:

Insecure Direct Object Reference

27)From the options choose measures that we can take to prevent Sensitive Data Exposure? **1 point**

- Discarding/Deleting Sensitive data as soon as possible
- Disabling auto-complete on forms collecting sensitive data
- Use of weak Cryptographic algorithm without proper key management
- Data stored in plain text for long time

No, the answer is incorrect.

Score: 0

Accepted Answers:

Discarding/Deleting Sensitive data as soon as possible

Disabling auto-complete on forms collecting sensitive data

28)If your web application has XSS holes(vulnerabilities) other applications in host computer is susceptible to CSRF? **1 point**

- True
- False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

29)Pick out the WRONG statement about HeartBleed from the following **1 point**

- Heartbleed is a security bug in OpenSSL implementation
- The memory buffer for the return message is allocated based on length field in requesting message
- Heartbleed could be used to expose the machine for future attacks by exposing sensitive data
- Heartbleed is an extension of TLS protocol

No, the answer is incorrect.

Score: 0

Accepted Answers:

Heartbleed is an extension of TLS protocol

30)Non-validated Forwards could facilitate phishing **1 point**

- True

False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

31)The Software Assurance Maturity Model framework from OWASP would help in

1 point

- Evaluating an organization's existing software security practices
- Building a balanced software security assurance program in well-defined iterations
- Defining and measuring security-related activities throughout an organization
- All of these
- Only a and b

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of these

32)Choose the costs associated with code review 1 in SAMM? choose all correct ones

1 point

- Research and selection of code analysis solution
- Build out or license of code review checklists
- Ongoing project overhead from code review activities of high-risk code
- Initial cost and maintenance of automation integration

No, the answer is incorrect.

Score: 0

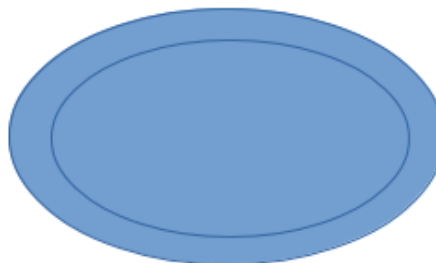
Accepted Answers:

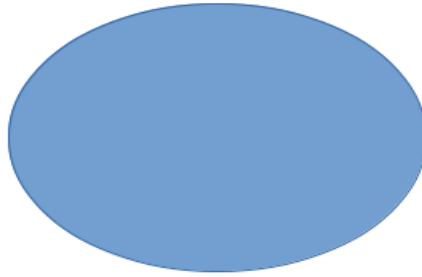
Build out or license of code review checklists

Ongoing project overhead from code review activities of high-risk code

33)In Threat Modeling Tool, pick out the shape used to represent the collection of Sub processes

1 point

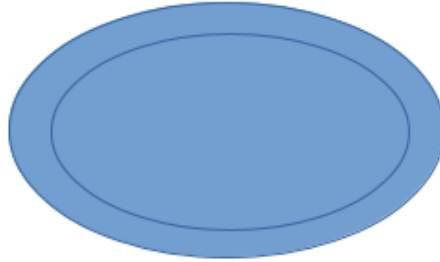




No, the answer is incorrect.

Score: 0

Accepted Answers:



34) From the below STRIDE threats, which one of the following is a Threat to Integrity?

1 point

- Spoofing
- Tampering
- Repudiation
- Denial of Service

No, the answer is incorrect.

Score: 0

Accepted Answers:

Tampering

35) An unskilled attacker who uses code developed by others for attacking a system ?

1 point

- man-in-middle
- Borrower
- Script Kiddie
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Script Kiddie

36) WinNuke is a popular example of

1 point

- Spoofing
- Tampering
- Repudiation
- Denial of Service

No, the answer is incorrect.

Score: 0

Accepted Answers:

Denial of Service

37) Pick out True statement about Directory Enumeration attack

1 point

- Its aimed at finding the directory structure of our website
- Attack can be preformed manually
- Proper Implementation of Authorization can prevent the attack

All of the Above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the Above

38) See the change given below and identify the threat the attacker is trying to exploit? **1 point**

Assume attacker's userID is 1

original URL:

<http://vulnerableSite.com/accountInfo?LoggedIn=True&userID=1>

changed URL:

<http://vulnerableSite.com/accountInfo?LoggedIn=True&userID=2>

- XSS
- Security misconfiguration
- Insecure Direct Object Reference
- Injection

No, the answer is incorrect.

Score: 0

Accepted Answers:

Insecure Direct Object Reference

39) The Internet socket port number used for HTTPS communication **1 point**

- 43
- 343
- 443
- 143

No, the answer is incorrect.

Score: 0

Accepted Answers:

443

40) Pick out the WRONG statement **1 point**

- UDP is a connectionless protocol
- TCP is suited for applications that require high reliability
- HTTPS uses UDP at Transport Layer
- UDP has smaller overhead compared to TCP

No, the answer is incorrect.

Score: 0

Accepted Answers:

HTTPS uses UDP at Transport Layer

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