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Question 1

Correct

Mark 0.25 out of 0.25

1. What Threat Modelling is/are

First: A team activity

Second: Just for large software projects

Third: An activity that should be performed repeatedly

Fourth: An activity performed by a specialist team member

- ☐ a. All except First
- ☒ b. First and Third ✓
- ☐ c. Both First and Second
- ☐ d. Third and Fourth



Question 2

Correct

Mark 0.25 out of 0.25

If the organization is keen on protecting data from getting disclosed, what do they need?

- ☐ a. Integrity
- ☐ b. Availability
- ☒ c. Confidentiality ✓
- ☐ d. Authentication

Question 3

Correct

Mark 0.25 out of 0.25

OWASP SAMM considers threat modelling under

- ☐ a. Operations
- ☒ b. Design ✓
- ☐ c. Verification
- ☐ d. Governance

Question 4

Correct

Mark 0.25 out of 0.25

When is a system completely secure?

- ☒ a. Never ✓
- ☐ b. Eliminate STRIDE
- ☐ c. Follow SAMM
- ☐ d. Diligently use SDL



Question 5

Correct

Mark 0.25 out of 0.25

Give an example of physical control in protecting an asset

- ☐ a. Password
- ☐ b. Security policy
- ☒ c. Id card ✓
- ☐ d. Encryption

Question 6

Correct

Mark 0.25 out of 0.25

In an Attack Pattern, the attack vector is specified in

- ☐ a. Vulnerabilities
- ☐ b. Context
- ☒ c. Method of attack ✓
- ☐ d. Description

Question 7

Correct

Mark 0.25 out of 0.25

Microsoft SDL recommends ___ for threat modelling.

- ☐ a. Security tester
- ☒ b. STRIDE ✓
- ☐ c. Attack Tree
- ☐ d. LINDDUN

Question 8

Correct

Mark 0.25 out of 0.25

Which of the following is a malicious code that self-replicates by copying itself to other programs?

- ☐ a. Trojan Horse
- ☒ b. Virus ✓
- ☐ c. Worm
- ☐ d. Keylogger

Question 9

Correct

Mark 0.25 out of 0.25

Which of the following is NOT considered a part of essential security requirements?

- ☐ a. Availability
- ☐ b. Confidentiality
- ☒ c. Encryption ✓
- ☐ d. Integrity

Question 10

Correct

Mark 0.25 out of 0.25

Which of the following is not a specific threat for web application?

- ☐ a. Cookie manipulation
- ☐ b. Cryptographic interception
- ☐ c. Session hijacking
- ☒ d. Phishing ✓

Question 11

Correct

Mark 0.25 out of 0.25

What does an organization need so that authorized users are capable of accessing the information?

- ☒ a. Availability ✓
- ☐ b. Authentication
- ☐ c. Confidentiality
- ☐ d. Integrity

Question 12

Correct

Mark 0.25 out of 0.25

When an attacker causes an excessive data flow, which brings the system down, it is called

- ☐ a. Data overflow
- ☒ b. Denial of Service ✓
- ☐ c. System crash
- ☐ d. Availability attack

Question 13

Incorrect

Mark 0.00 out of 0.25

Security requirements often turn out to be

- ☐ a. Cross-functional
- ☐ b. Emergent
- ☐ c. Functional
- ☒ d. Non-functional ✗

Question 14

Correct

Mark 0.25 out of 0.25

Which is a protective mechanism while evaluating a software from unknown source ?

- ☐ a. Anti-virus software
- ☒ b. Sandbox ✓
- ☐ c. Hypervisor
- ☐ d. BIOS

Question 15

Correct

Mark 0.25 out of 0.25

How to characterize a software that has protection of data from modification by unknown users.

- ☒ a. Integrity ✓
- ☐ b. Availability
- ☐ c. Confidentiality
- ☐ d. Authentication

Question 16

Correct

Mark 0.25 out of 0.25

ABC Co. obtained order from XYZ Co. for a product. How can we prevent XYZ from going back on Order?

- ☐ a. Authenticity
- ☒ b. Non-repudiation ✓
- ☐ c. Confidentiality
- ☐ d. Integrity

Question 17

Correct

Mark 0.25 out of 0.25

SAMM is based around X security practices grouped into Y business functions.

- ☐ a. X= 25, Y= 5
- ☐ b. X= 20, Y=10
- ☒ c. X= 15, Y=5 ✓
- ☐ d. X= 5, Y= 15

Question 18

Correct

Mark 0.25 out of 0.25

To protect a system from attacks, developer has to think like

- ☐ a. Customer
- ☒ b. Attacker ✓
- ☐ c. Administrator
- ☐ d. Auditor

Question 19

Correct

Mark 0.25 out of 0.25

Which type of testing is recommended by SDL?

- ☐ a. Performance testing
- ☒ b. Fuzz testing ✓
- ☐ c. Integration testing
- ☐ d. Regression testing

Question 20

Incorrect

Mark 0.00 out of 0.25

1. Which statement is/are correct

First: The attack vector of a software environment is the sum of the different points (the "attack vectors") where an unauthorized user (the "attacker") can try to enter data to or extract data from an environment.

Second: An attack surface is a path or means by which a hacker (or cracker) can gain access to a computer or network server in order to deliver a payload or malicious outcome.

- ☒ a. First and Second Both ✗
- ☐ b. Neither First nor Second
- ☐ c. Not First, Only Second
- ☐ d. Only First, not Second

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