Assignment - 8

The due date for submitting this assignment has passed. **Due on 2018-04-04, 23:59 IST.**

Submitted assignment

1) Linux router stack can be obtained by using the following software  
   - Zebra / Quagga
   - Ubuntu / Kali Linux
   - Kali Linux / Cent OS
   - Cent OS / Ubuntu
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**  
   *Zebra / Quagga*

2) Identify the one which is not a storage media
   - CAM
   - DataStore
   - SSD
   - ROM
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**  
   *DataStore*

3) Choose the most appropriate answer. Irrespective of the type of router, ________ facility is provided by all of them
   - switching
   - managing
   - logging
   - VLAN
   **No, the answer is incorrect.**
   **Score: 0**
   **Accepted Answers:**  
   *logging*

4) Better security is obtained if filtering in consumer grade routers are done using
   - MAC address
   - Network mask
   - Network address
5) Identify the one that is not a firewall

- packet filters
- session layer proxies
- IDS / IPS
- application proxies

No, the answer is incorrect.
Score: 0
Accepted Answers:
MAC address

6) Identify one method of router access which is non intrusive on the router.

- access using ssh from a remote machine
- dump using syslog to a remote machine
- access using SNMP from a network management station
- access using web using web user interface

No, the answer is incorrect.
Score: 0
Accepted Answers:
dump using syslog to a remote machine

7) The iptables construct that governs whether packets that are destined for the local system is

- OUTPUT chain
- EXTERNAL chain
- INTERNAL chain
- INPUT chain

No, the answer is incorrect.
Score: 0
Accepted Answers:
INPUT chain

8) "iptables -A INPUT -j LOG --log-ip-options" does the following activity

- log the ip options
- log the INPUT chain options
- log the IP options for the inbound connection.
- log the IP options for the outbound connection.

No, the answer is incorrect.
Score: 0
Accepted Answers:
log the IP options for the inbound connection.

9) The attack that does not use ICMP packets is

- day zero
- smurf
- DDOS
- DOS

No, the answer is incorrect.
Score: 0
10. Identify the one that is not a processing action of IPTables.

- Wait
- Accept
- Drop
- Reject

No, the answer is incorrect.
Score: 0

Accepted Answers: Wait

11. Meltdown attack takes advantage of vulnerability in which layer of the computing system.

- Operating System
- Microprogramming
- Digital Hardware
- All of the above

No, the answer is incorrect.
Score: 0

Accepted Answers: All of the above

12. Fundamental isolation between processes is enabled using ____________.

- segmentation
- Paging
- Cache Memory
- Interrupts

No, the answer is incorrect.
Score: 0

Accepted Answers: Paging

13. Out-of-order processing forms a critical part of the meltdown attack because ____________.

- It only bothers about the improving performance
- They leak information to attackers
- Instructions which must not be executed by the processor somehow get executed.
- None of the above.

No, the answer is incorrect.
Score: 0

Accepted Answers: instructions which must not be executed by the processor somehow get executed.

14. Cache timing attacks take advantage of the fact that ________________.

- The time required to do memory operations is different from regular instructions
- The time required to fetch data which is present in cache is different from the data which is not present in cache.
- The attacker can accurately estimate the time required to perform a memory operation.
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers: The time required to fetch data which is present in cache is different from the data which is not present in cache.