

Reg. No.:

Name :



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Mid-Term Examinations – March 2022 : Scheme of Evaluation

Programme	: B.Tech.[BCE, BAI]	Semester	: Winter 2021-22
Course	: Ethical Hacking	Code	: CSD4002
Faculty	: Dr. M. Thangavel	Slot/ Class No.	: E21+E22+E23/0345
Time	: 1 ½ hours	Max. Marks	: 50

Answer all the Questions

Q.No.	Sub. Sec.	Question Description	Marks
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- | | | | |
|---|-----|--|--|
| 1 | (a) | Discover the phases involved to identify vulnerabilities and ensure system security by utilizing hacking tools, tricks and techniques. | |
|---|-----|--|--|

Answer:

Explanation of Ethical Hacking Phases, (Each Phase – 1 Mark)

- Reconnaissance,
- Scanning,
- Gaining Access,
- Maintaining Access,
- Clearing Tracks

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- | | | | |
|---|-----|---|--|
| 1 | (b) | Summarize the ethics and laws enforced for an ethical hacker. | |
|---|-----|---|--|

Answer:

List the following ethics and laws, (Any 5 – Section with description)

- Section 43
- Section 43- A
- Section 66
- Section 70-A and Section 70-B
- Section 66-F
- Section 84

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- | | | | |
|---|-----|---|--|
| 2 | (a) | Inspect the attacker possibilities for collecting information about a target network through search engines and web services to identify various ways to intrude into the system. | |
|---|-----|---|--|

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Answer:

Explanation about,

Footprinting through Search Engines (2.5 Marks)

Footprinting through Web Services (2.5 Marks)

- 2 (b) Make use of appropriate techniques to perform SMTP and DNS enumeration in an target network.

Answer:

Explanation about,

SMTP Enumeration (2.5 Marks)

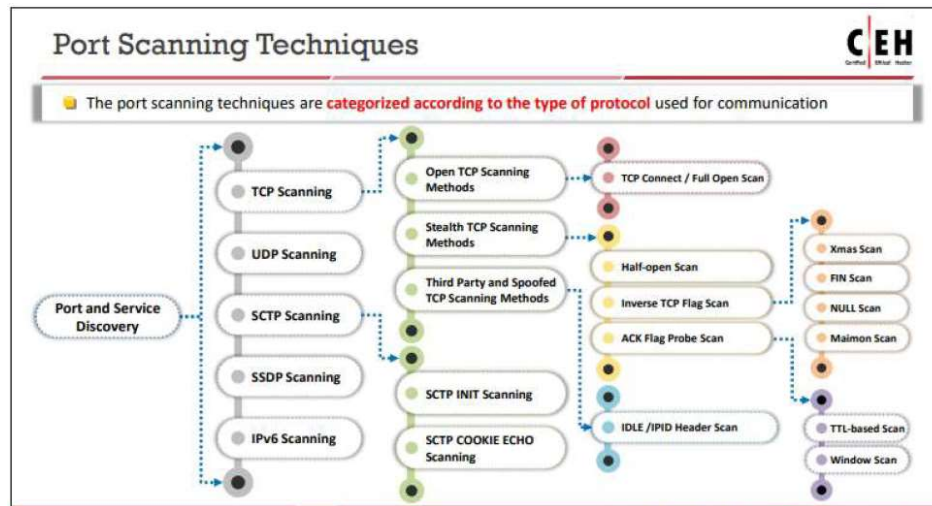
DNS Enumeration (2.5 Marks)

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- 3 Examine the scanning techniques used to identify and categorize ports based on the protocol used for communication.

Answer:

Explanation about,



10

- 4 (a) Infer the detection techniques and countermeasures for changing the source IP address to project that attack appears to be coming from legitimate user.

Answer:

Explanation about,

IP Spoofing Detection Techniques (3 Marks)

IP Spoofing Countermeasures (2 Marks)

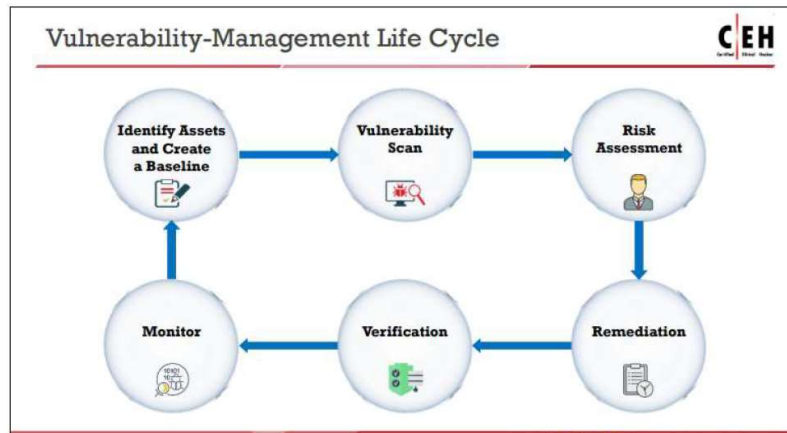
5

- 4 (b) Interview the usage of Vulnerability management life cycle for in-depth examination of the ability of the system or application.

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Answer:

Explanation about,



- 5 “When attacker execute malicious applications it is called owing the system” – Justify the statement in the following context,
- the malicious program that monitor each keystroke as user types, logs onto the file and transmits to a remote location.
 - the malicious program that hide their presence as well as attacker’s malicious activities and granting them full access at that time and in future.

Answer:

Explanation about,

- Keylogger (5 Marks)
- Rootkits (5 Marks)

10

