1. Malware is software that enters a computer system with the user's knowledge or consent and then performs an unwanted and harmful action.

a. True

b. FalseANSWER:FalsePOINTS:1DIFFICULTY:EasyREFERENCES:Attacks Using MalwareQUESTION TYPE:True / FalseHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:17 PMDATE MODIFIED:8/28/2017 3:17 PM

2. Once the malware reaches a system through circulation, then it must embed itself into that system.

a. Trueb. FalseANSWER:TruePOINTS:1DIFFICULTY:EasyREFERENCES:Attacks Using MalwareQUESTION TYPE:True / FalseHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:17 PMDATE MODIFIED:8/28/2017 3:17 PM

3. Two types of malware have the primary trait of circulation. These are viruses and worms.

a. True b. False ANSWER: True POINTS: 1 DIFFICULTY: Easy REFERENCES: Circulation QUESTION TYPE: True / False HAS VARIABLES: False DATE CREATED: 8/28/2017 3:17 PM DATE MODIFIED: 8/28/2017 3:17 PM

4. A polymorphic virus changes its internal code to one of a set number of predefined mutations whenever it is executed.

a. True b. False ANSWER: False

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POINTS:1DIFFICULTY:EasyREFERENCES:CirculationQUESTION TYPE:True / FalseHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:17 PMDATE MODIFIED:8/28/2017 3:17 PM

5. A virus self-replicates on the host computer and spreads to other computers by itself.

a. True	
b. False	
ANSWER:	False
POINTS:	1
DIFFICULTY:	Easy
REFERENCES:	Circulation
QUESTION TYPE:	True / False
HAS VARIABLES:	False
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6. A remote access Trojan has the basic functionality of a Trojan but also gives the threat actor unauthorized remote access to the victim's computer by using specially configured communication protocols.

 a. True

 b. False

 ANSWER:
 True

 POINTS:
 1

 DIFFICULTY:
 Easy

 REFERENCES:
 Infection

 QUESTION TYPE:
 True / False

 HAS VARIABLES:
 False

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7. A rootkit can hide its presence, but not the presence of other malware.

a. Trueb. FalseANSWER:FalsePOINTS:1DIFFICULTY:EasyREFERENCES:ConcealmentQUESTION TYPE:True / FalseHAS VARIABLES:False

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8. Social engineering impersonation means to masquerade as a real or fictitious character and then play out the role of that person on a victim.

a. True b. False ANSWER: True POINTS: 1 DIFFICULTY: Easy REFERENCES: Psychological Approaches QUESTION TYPE: True / False HAS VARIABLES: False DATE CREATED: 8/28/2017 3:17 PM DATE MODIFIED: 8/28/2017 3:17 PM

9. Phishing is sending an email or displaying a web announcement that falsely claims to be from a legitimate enterprise in an attempt to trick the user into surrendering private information.

 a. True

 b. False

 ANSWER:
 True

 POINTS:
 1

 DIFFICULTY:
 Easy

 REFERENCES:
 Psychological Approaches

 QUESTIONTYPE:
 False

 HAS VARIABLES:
 False

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10. Vishing is a false warning, often contained in an email message claiming to come from the IT department.

 a. True

 b. False

 ANSWER:
 False

 POINTS:
 1

 DIFFICULTY:
 Easy

 REFERENCES:
 Psychological Approaches

 QUESTION TYPE:
 False

 HAS VARIABLES:
 False

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11. What term below is used to describe the process of gathering information for an attack by relying on the

weaknesses of individuals?

- a. phreaking
- b. hacking
- c. social engineering

d. reverse engineering

ANSWER:cPOINTS:1DIFFICULTY:EasyREFERENCES:Social Engineering AttacksQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:17 PMDATE MODIFIED:8/28/2017 3:17 PM

12. Which of the following is malicious computer code that reproduces itself on the same computer?

a. virus b. worm c. adware d. spyware ANSWER: a POINTS: 1 **DIFFICULTY**: Easy **REFERENCES:** Circulation QUESTION TYPE: Multiple Choice HAS VARIABLES: False DATE CREATED: 8/28/2017 3:17 PM DATE MODIFIED: 8/28/2017 3:17 PM

13. One of the armored virus infection techniques utilizes encryption to make virus code more difficult to detect, in addition to separating virus code into different pieces and inject these pieces throughout the infected program code. What is the name for this technique?

a. stealth b. appender c. Swiss cheess d. split ANSWER: c POINTS: 1 DIFFICULTY: Moderate REFERENCES: Circulation QUESTION TYPE: Multiple Choice HAS VARIABLES: False

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14. What type of malware is heavily dependent on a user in order to spread?

- a. Trojan b. worm c. rootkit d. virus ANSWER: d **POINTS:** 1 **DIFFICULTY**: Easy **REFERENCES**: Circulation QUESTION TYPE: Multiple Choice HAS VARIABLES: False DATE CREATED: 8/28/2017 3:17 PM DATE MODIFIED: 8/28/2017 3:17 PM
- 15. A virus that infects an executable program file is known as?
 - a. macro virus
 - b. program virus
 - c. companion virus

d. boot sector virus

ANSWER:bPOINTS:1DIFFICULTY:EasyREFERENCES:CirculationQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:17 PMDATE MODIFIED:8/28/2017 3:17 PM

16. How many different Microsoft Windows file types can be infected with a virus?

a. 50 b. 60 c. 70 d. 80 ANSWER: a POINTS: 1 DIFFICULTY: Easy REFERENCES: Circulation QUESTION TYPE: Multiple Choice

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17. A series of instructions that can be grouped together as a single command and are often used to automate a complex set of tasks or a repeated series of tasks are known as:

a. A rootkit

b. A macro

c. A program

d. A process

ANSWER:bPOINTS:1DIFFICULTY:DifficultREFERENCES:CirculationQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:17 PMDATE MODIFIED:8/28/2017 3:17 PM

18. Select below the type of malware that appears to have a legitimate use, but contains something malicious:

a. script b. virus c. Trojan d. worm ANSWER: c POINTS: 1 **DIFFICULTY**: Easy Infection **REFERENCES:** QUESTION TYPE: Multiple Choice HAS VARIABLES: False DATE CREATED: 8/28/2017 3:17 PM DATE MODIFIED: 8/28/2017 3:17 PM

19. What type of malware consists of a set of software tools used by an attacker to hide the actions or presence of other types of malicious software, such as a virus?

a. rootkit b. backdoor c. wrapper d. shield ANSWER: a POINTS: 1 DIFFICULTY: Easy

REFERENCES:ConcealmentQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:17 PMDATE MODIFIED:8/28/2017 3:17 PM

20. What type of computer code is typically added to a legitimate program but lies dormant until a specific logical event triggers it?

- a. script
- b. logic bomb
- c. macro virus
- d. metamorphic virus

ANSWER:bPOINTS:1DIFFICULTY:ModerateREFERENCES:Payload CapabilitiesQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:17 PMDATE MODIFIED:8/28/2017 3:17 PM

21. What type of undocumented yet benign hidden feature launches after a special set of commands, key combinations, or mouse clicks?

- a. Trojan horse
- b. virus
- c. bug
- d. Easter egg

ANSWER:dPOINTS:1DIFFICULTY:ModerateREFERENCES:Payload CapabilitiesQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:17 PMDATE MODIFIED:8/28/2017 3:17 PM

22. What kind of software program delivers advertising content in a manner that is unexpected and unwanted by the user, and is typically included in malware?

- a. adware
- b. keylogger
- c. spam
- d. Trojan

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 ANSWER:
 a

 POINTS:
 1

 DIFFICULTY:
 Easy

 REFERENCES:
 Payload Capabilities

 QUESTION TYPE:
 Multiple Choice

 HAS VARIABLES:
 False

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23. Which of the following is not one of the four methods for classifying the various instances of malware by using the primary trait that the malware possesses?

a. Circulation

b. Infection

c. Concealment

d. Source

ANSWER:dPOINTS:1DIFFICULTY:DifficultREFERENCES:Attacks Using MalwareQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

24. What type of attack is targeted against a smaller group of specific individuals, such as the major executives working for a manufacturing company?

a. spam

b. adware

c. watering hole

d. typo Squatting

ANSWER:cPOINTS:1DIFFICULTY:ModerateREFERENCES:Psychological ApproachesQUESTIONTYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

25. What type of system security malware allows for access to a computer, program, or service without authorization?

a. botnet

b. zombie c. backdoor d. command and control ANSWER: c POINTS: 1 **DIFFICULTY**: Easy **Payload Capabilities REFERENCES:** QUESTION TYPE: Multiple Choice HAS VARIABLES: False DATE CREATED: 8/28/2017 3:18 PM DATE MODIFIED: 8/28/2017 3:18 PM

26. Malware that locks or prevents a device from functioning properly until a fee has been paid is known as:

- a. lock-ware
- b. ransomware
- c. stealware
- d. hostageware

ANSWER:bPOINTS:1DIFFICULTY:EasyREFERENCES:InfectionQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

- 27. What type of ransomware displays a screen and prevents the user from accessing the computer's resources?
 - a. crypto-malware
 - b. standard ransomware
 - c. blocker ransomware
 - d. locking-malware

ANSWER:cPOINTS:1DIFFICULTY:EasyREFERENCES:InfectionQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

28. What type of ransomware was developed to block the user from accessing the computer and encrypts all the files on the user's device?

- a. crypto-malware
- b. standard ransomware
- c. blocker ransomware
- d. locking-malware

ANSWER:aPOINTS:1DIFFICULTY:EasyREFERENCES:InfectionQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

29. Which of the following are considered to be the primary payload capabilities found in malware? (Choose all that apply.)

a. launch attacks

- b. modify data
- c. delete data
- d. collect data

ANSWER:a, c, dPOINTS:1DIFFICULTY:ModerateREFERENCES:Payload CapabilitiesQUESTION TYPE:Multiple ResponseHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

30. Select the term used to describe tracking software that is deployed without the consent or control of the user.

a. botnet b. malware c. spyware d. Trojan ANSWER: с **POINTS:** 1 DIFFICULTY: Easy **REFERENCES**: **Payload Capabilities QUESTION TYPE:** Multiple Choice HAS VARIABLES: False DATE CREATED: 8/28/2017 3:18 PM DATE MODIFIED: 8/28/2017 3:18 PM

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31. What type of malicious software technology is used to download and install software without the user's interaction?

- a. automatic download software
- b. automated software
- c. system modifying software
- d. tracking software

a
1
Moderate
Payload Capabilities
Multiple Choice
False
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32. What type of malicious software technology is used to monitor user behavior or gather information about the user, sometimes including personally identifiable or other sensitive information?

- a. automatic download software
- b. automated software
- c. system modifying software
- d. tracking software

ANSWER:	d
POINTS:	1
DIFFICULTY:	Moderate
REFERENCES:	Payload Capabilities
QUESTION TYPE:	Multiple Choice
HAS VARIABLES:	False
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33. What type of spyware silently captures and stores each keystroke that a user types on the computer's keyboard?

- a. key indexing
- b. ransomware
- c. passive tracking
- d. keylogger

ANSWER:dPOINTS:1DIFFICULTY:EasyREFERENCES:Payload CapabilitiesQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseCopyright Cengage Learning. Powered by Cognero.

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34. What type of software can be installed in an individual's web browser to prevent ads from displaying?

a. antivirus
b. ad blocking
c. cookie scanning
d. ad sensing

ANSWER: b
POINTS: 1
DIFFICULTY: Easy
REFERENCES: Collect Data
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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- 35. What type of structure is used to provide instructions to infected bot computers?
 - a. client-server
 - b. hive
 - c. bot herder

d. command & control

ANSWER:dPOINTS:1DIFFICULTY:ModerateREFERENCES:Payload CapabilitiesQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

- 36. What specific science discipline do most social engineering attacks rely on when they are being used?
 - a. psychiatry
 - b. criminology
 - c. psychology
 - d. engineering

ANSWER:cPOINTS:1DIFFICULTY:EasyREFERENCES:Psychological ApproachesQUESTION TYPE:Multiple Choice

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37. What social engineering principal frightens and coerces a victim by using threats?

a. intimidation

b. authority

c. urgency

d. scarcity

ANSWER:aPOINTS:1DIFFICULTY:ModerateREFERENCES:Psychological ApproachesQUESTIONTYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

38. What social engineering principal convinces a victim an immediate action is needed?

- a. authority
- b. urgency

c. intimidation

d. scarcity

ANSWER:bPOINTS:1DIFFICULTY:ModerateREFERENCES:Psychological ApproachesQUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

- 39. Which type of phishing attack targets specific users?
 - a. target phishing
 - b. whaling
 - c. vishing

d. spear phishing

ANSWER:dPOINTS:1DIFFICULTY:ModerateREFERENCES:Psychological Approaches

QUESTION TYPE:Multiple ChoiceHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

40. What specific type of phishing attack uses the telephone to target a victim?

- a. target phishing
- b. whaling
- c. vishing
- d. spear phishing

ANSWER:	с
POINTS:	1
DIFFICULTY:	Moderate
REFERENCES:	Psychological Approaches
QUESTION TYPE:	Multiple Choice
HAS VARIABLES:	False
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41. What is malware?

ANSWER:	Malware is software that enters a computer system without the user's knowledge or consent and then performs an unwanted-and usually harmful-action. Malware is a general term that refers to a wide variety of damaging or annoying software programs.
POINTS:	1
DIFFICULTY:	Easy
REFERENCES:	Attacks Using Malware
QUESTION TYPE:	Subjective Short Answer
HAS VARIABLES:	False
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42. Explain how an appender infection works.

ANSWER: The virus first appends itself to the end of a file. It then moves the first three bytes of the original file to the virus code and replaces them with a "jump" instruction pointing to the virus code. When the program is launched, the jump instruction redirects control to the virus.

POINTS:1DIFFICULTY:DifficultREFERENCES:CirculationQUESTION TYPE:Subjective Short AnswerHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

43. What are some of the functions performed by viruses?

ANSWER: Viruses can corrupt or delete files, prevent programs from launching, steal data to be sent to another computer, cause a computer to crash repeatedly, and even turn off the computer's security settings.

POINTS:1DIFFICULTY:EasyREFERENCES:CirculationQUESTION TYPE:Subjective Short AnswerHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

44. Describe a macro virus.

ANSWER: A macro virus is written in a script known as a macro. A macro is a series of commands and instructions that can be grouped together as a single command. Macros often are used to automate a complex set of tasks or a repeated series of tasks. Macros can be written by using a macro language, such as Visual Basic for Applications (VBA), and are stored within the user document (such as in an Excel .XLSX worksheet). Once the document is opened, the macro instructions execute, whether those instructions are benign or a macro virus.

POINTS:	1
DIFFICULTY:	Difficult
REFERENCES:	Circulation
QUESTION TYPE:	Subjective Short Answer
HAS VARIABLES:	False
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45. What is a worm?

ANSWER: A worm is a malicious program that uses a computer network to replicate, and is designed to enter a computer through the network then take advantage of vulnerability in an application or an operating system on the host computer.

POINTS:1DIFFICULTY:ModerateREFERENCES:CirculationQUESTION TYPE:Subjective Short AnswerHAS VARIABLES:FalseDATE CREATED:8/28/2017 3:18 PMDATE MODIFIED:8/28/2017 3:18 PM

46. How does a rootkit work?

ANSWER:A rootkit infects a computer and hides its presence from the operating system so that the rootkit files
are not visible to the operating system.POINTS:1DIFFICULTY:DifficultREFERENCES:Concealment

QUESTION TYPE: Subjective Short Answer HAS VARIABLES: False DATE CREATED: 8/28/2017 3:18 PM DATE MODIFIED: 8/28/2017 3:18 PM

47. What is a backdoor and what is it used for?

ANSWER: A backdoor gives access to a computer, program, or service that circumvents any normal security protections. Backdoors that are installed on a computer allow th attacker to return at a later time and bypass security settings.

POINTS:	1
DIFFICULTY:	Moderate
REFERENCES:	Payload Capabilities
QUESTION TYPE:	Subjective Short Answer
HAS VARIABLES:	False
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48. What are botnets?

ANSWER:	Botnets are collections of thousands or even hundreds of thousands of zombie computers are gathered into a logical computer network under the control of an attacker, or bot herder.
POINTS:	1
DIFFICULTY:	Moderate
REFERENCES:	Payload Capabilities
QUESTION TYPE:	Subjective Short Answer
HAS VARIABLES:	False
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49. Describe adware.

ANSWER:	Adware delivers advertising content in a manner that is unexpected and unwanted by the user. Once it becomes installed, it typically displays advertising banners, pop-up ads, or opens new web browser windows at random intervals.
POINTS:	1
DIFFICULTY:	Easy
REFERENCES:	Payload Capabilities
QUESTION TYPE:	Subjective Short Answer
HAS VARIABLES:	False
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50. What is dumpster diving?

ANSWER:

Dumpster diving involves digging through trash receptacles to find information that can be useful in an attack.

POINTS:

DIFFICULTY: Easy **Physical Procedures** REFERENCES: QUESTION TYPE: Subjective Short Answer HAS VARIABLES: False DATE CREATED: 8/28/2017 3:18 PM DATE MODIFIED: 8/28/2017 3:18 PM