

# **SRM VALLIAMMAI ENGINEERING COLLEGE**

(An Autonomous Institution)

SRM Nagar, Kattankulathur – 603 203

**DEPARTMENT OF CYBER SECURITY**

**QUESTION BANK**



**V SEMESTER**

**CY3563 – INFORMATION WARFARE**

**Regulation – 2023**

**Academic Year: 2025 – 2026 (ODD)**

*Prepared by*

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**SRM VALLIAMMAI ENGINEERING COLLEGE**  
 SRM Nagar, Kattankulathur-603203  
**DEPARTMENT OF CYBER SECURITY**  
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**SUBJECT : CY3563 – INFORMATION WARFARE**

**SEM / YEAR : V SEMESTER/ III YEAR**

**UNIT – I : INTRODUCTION AND MODELS OF INFORMATION WARFARE**

**Information Resources, The Value of Resources, Players, The Offense, The Defense, A Dual Role, Offensive Information Warfare, Increased Availability to Offensive Player, Decreased Availability to Defensive Player, Decreased Integrity, Other Classification Schemes, Defensive Information Warfare, Types of Defense, Information Security and Information Assurance, The CIA Model and Authorization, Playgrounds to Battlegrounds**

**UNIT –I [PART-A]**

Q.No	Question	Competence	Level
1	Define the value of resources.	Remembering	BTL 1
2	Write about the components in value of resources?	Understanding	BTL 2
3	Define the term information resources.	Remembering	BTL 1
4	Classify the 5 sources of value.	Understanding	BTL 2
5	State the importance of information resources.	Remembering	BTL 1
6	List out the types of defense.	Remembering	BTL 1
7	Point out the importance of information security.	Applying	BTL 3
8	Illustrate the principles for information warfare operation.	Applying	BTL 3
9	Compare the Information Security and Information Assurance.	Analyzing	BTL 4
10	List out the model in information warfare.	Remembering	BTL 1
11	What is information Security and Assurance?	Understanding	BTL 2
12	Point out the classification schemas.	Understanding	BTL 2
13	Analyze the need for information security?	Analyzing	BTL 4
14	Summarize the term information warfare.	Analyzing	BTL 4
15	Illustrate the four security domains of information warfare?	Understanding	BTL 2
16	Explain the defensive warfare strategy.	Understanding	BTL 2
17	Point out the importance of CIA Model	Applying	BTL 3
18	Analyze the category of operation in decreased integrity.	Remembering	BTL 1
19	Illustrate the types in Information Security and Information Assurance.	Creating	BTL 6
20	What makes an information resource valuable?	Evaluating	BTL 5
21	Define the term CIA model.	Remembering	BTL 1
22	Analyze about the significance of the informational resources.	Analyzing	BTL 4
23	List out the two types of players.	Remembering	BTL 1
24	Compare and contrast between information resource and information warfare.	Analyzing	BTL 4

**UNIT –I [PART-B]**

Q.No	Question	Marks	Competence	Level
1	- Explain the concept of information resources.	16	Understanding	BTL 2
2	- Write a short note about models in information warfare.	16	Understanding	BTL 2
3	- Discuss about the concept of information security.	16	Understanding	BTL 2

4	-	What is information warfare? Write the operations of information warfare.	16	Analyzing	BTL 4
5	-	Write the difference between offensive and defensive information warfare. Why defensive is more important than offensive? Justify the answer.	16	Applying	BTL 3
6	-	Write short notes about applications of information warfare.	16	Applying	BTL 3
7	-	Summarize the categories of information resources in detail.	16	Remembering	BTL 1
8	-	Discuss the theory of information warfare with relevant example.	16	Understanding	BTL 2
9	-	Classify the components of information assurance. Classify the components of information security.	16	Understanding	BTL 2
10		Explain the elements of information warfare with neat diagram.	16	Understanding	BTL 2
11	-	Write a short note about CIA model authorization.	16	Creating	BTL 6
12	-	(i) Explain in detail about principle of CIA Model (ii) What is the importance of information resources in detail?	16	Understanding	BTL 2
13	-	Discuss about the factors in value of resources.	16	Understanding	BTL 2
14	-	Explain in detail about the two types of players.	16	Understanding	BTL 2
15	-	i) Elaborate the dual role of information resource in detail. (ii) Write a short note about Playgrounds to Battlegrounds	16	Analyzing	BTL 4
16	-	Discuss about offensive information warfare.	16	Understanding	BTL 2
17	-	Write short notes about information resource and information warfare with example in detail	16	Evaluating	BTL 5

### UNIT – II : OPEN SOURCES

Open Source and Competitive Intelligence, Privacy, Snooping on People Through Open Sources, Web Browsing, Privacy Regulations, Piracy, Copyright Infringement, Trademark Infringement, Dark Sides

#### UNIT-II [PART-A]

Q.No	Question	Competence	Level
1	What is meant by open source information?	Evaluating	BTL 5
2	Define web browsing.	Remembering	BTL 1
3	Compare the difference between privacy and piracy.	Analyzing	BTL 4
4	Point out the techniques in open source intelligence.	Creating	BTL 6
5	List out the types of web browsing.	Remembering	BTL 1
6	What is meant by open source intelligence?	Understanding	BTL 2
7	Define copyright infringement.	Analyzing	BTL 4
8	What is open source?	Applying	BTL 3
9	Write the importance of open source intelligence.	Remembering	BTL 1
10	State snooping.	Understanding	BTL 2
11	List out the types of software piracy.	Remembering	BTL 1
12	What is privacy?	Evaluating	BTL 5
13	Discuss about main goals of dark sides.	Remembering	BTL 1

14	Write the importance of privacy.	Applying	BTL 3
15	Discuss about the different types of snooping methods?	Analyzing	BTL 4
16	How do you fight a trademark infringement?	Applying	BTL 3
17	What do you mean by Competitive Intelligence?	Understanding	BTL 2
18	State Lane's first law of information in snooping on people with open sources.	Analyzing	BTL 4
19	Define trademark infringement?	Analyzing	BTL 4
20	What is the impact of dark sides?	Creating	BTL 6
21	State the term piracy.	Understanding	BTL 2
22	Compare the difference between copyright infringement and trademark infringement.	Analyzing	BTL 4
23	List out the features of snooping?	Remembering	BTL 1
24	Define dark sides.	Understanding	BTL 2

#### UNIT -II [PART-B]

Q.No	Question	Marks	Competence	Level
1	- What is Open Source and competitive Intelligence and explain about the need of Open Source and competitive Intelligence	16	Analyzing	BTL 4
2	- (i) What is open Source Intelligence? Explain with features in detail. (ii) Explain the meaning of open source with suitable example.	16	Understanding	BTL 2
3	Discuss about the basic fundamentals of web browsing in detail.	16	Applying	BTL 3
4	- Explain framework of open source intelligence with diagram.	16	Evaluating	BTL 5
5	- State the term snooping. Write a short note about purpose of snooping.	16	Understanding	BTL 2
6	- List out the tools in open source intelligence and explain about any two tools in detail.	16	Remembering	BTL 1
7	- Discuss in detail about copyright infringement?	16	Creating	BTL 6
8	Briefly explain the concept about how do you fight a trademark infringement?	16	Analyzing	BTL 4
9	- Explain about snooping on people through open sources in detail.	16	Understanding	BTL 2
10	- Summarize the features of snooping with suitable example.	16	Remembering	BTL 1
11	- Write about the concept of copyright infringement in detail.	16	Analyzing	BTL 4
12	- Explain the following: i) copyright infringement ii) trademark infringement	16	Understanding	BTL 2
13	- Write a short note about privacy regulations.	16	Creating	BTL 6
14	Briefly explain the term dark sides and discuss about the remedial measures to be carried out to safe guard against from the dark sides.	16	Remembering	BTL 1
15	- Analyze about copyright infringement and trademark infringement.	16	Analyzing	BTL 4

16	-	Explain in detail about i) privacy ii) piracy	16	Evaluating	BTL 5
17	-	Discuss about software piracy and explain the software piracy types.	16	Understanding	BTL 2

**UNIT –III PSYOPS AND PERCEPTION MANAGEMENT**

Lies and Distortions, Distortion, Fabrication, Hoaxes, Social Engineering, Denouncement, Conspiracy Theories, Defamation, Harassment, Advertising, Scams, Spam Wars, Censorship.

**UNIT-III [PART-A]**

Q.No	Question	Competence	Level
1	What is a distortion and lies?	Understanding	BTL 2
2	Define distortion with example.	Understanding	BTL 2
3	Difference between distortion and fabrication.	Analyzing	BTL 4
4	Write the factors of distortion.	Remembering	BTL 1
5	Where do most scams comes from?	Remembering	BTL 1
6	What is Fabrication?	Analyzing	BTL 4
7	State social engineering.	Evaluating	BTL 5
8	List out the example of defamation?	Remembering	BTL 1
9	Write advantage and disadvantage of fabrication.	Remembering	BTL 1
10	Analyze about conspiracy theories.	Analyzing	BTL 4
11	List out the latest scams and its impact in the society.	Remembering	BTL 1
12	Define the term conspiracy theories.	Applying	BTL 3
13	Write about the various kind of communication in social engineering.	Remembering	BTL 1
14	Difference between spam and spam wars.	Analyzing	BTL 4
15	Define the term advertising.	Remembering	BTL 1
16	Explain the meaning of Denouncement.	Understanding	BTL 2
17	Write the uses of social engineering.	Remembering	BTL 1
18	Define censorship.	Creating	BTL 6
19	Why do we go for conspiracy theory?	Applying	BTL 3
20	Point out the advantages of advertisement.	Analyzing	BTL 4
21	Write the uses of conspiracy theory.	Understanding	BTL 2
22	Distinguish the features of spam wars.	Remembering	BTL 1
23	Examine the importance of advertising.	Creating	BTL 6
24	Write about the operating stages of scam.	Remembering	BTL 1

**UNIT -III [PART-B]**

Q.No	Question	Marks	Competence	Level
1	- Explain the term distortion in detail with suitable example.	16	Applying	BTL 3
2	Define Fabrication. Write in detail about the advantages and disadvantages of Fabrication.	16	Understanding	BTL 2
3	- Briefly explain about Hoaxes and its impact in the society.	16	Creating	BTL 6
4	- Explain the following in detail: i) Defamation ii) Harassment	16	Remembering	BTL 4

5	-	Elaborate the concept of social engineering and their communication methods.	16	Evaluating	BTL 5
6	-	Define spam. Write short notes about features of spam war.	16	Analyzing	BTL 4
7		Write a short note about lies and distortion.	16	Remembering	BTL 1
8	-	Write in detail about Conspiracy Theories.	16	Remembering	BTL 1
9	-	Elaborate the techniques used in social engineering with suitable example.	16	Evaluating	BTL 5
10		Write a case study in Conspiracy Theories.	16	Remembering	BTL 1
11	-	Illustrate about advertising and its techniques with example.	16	Remembering	BTL 1
12		Compare the similarities between scam and spam war in detail.	16	Analyzing	BTL 4
13	-	Explain in detail about hoaxes with example.	16	Applying	BTL 3
14	-	Illustrate about the denouncement with suitable example.	16	Analyzing	BTL 4
15	-	Examine the basic fundamentals of censorship.	16	Remembering	BTL 1
16	-	Briefly explain the following: (i) Distortion (ii) Fabrication	16	Understanding	BTL 2
17	-	How social media 'censorship' became a front line in the culture war.	16	Understanding	BTL 2

#### **UNIT –IV INSIDE THE FENCE**

Traitors and Moles, State and Military Espionage, Economic Espionage, Corporate Espionage, Privacy Compromises, Business Relationships, Visits and Requests, Fraud and Embezzlement, Bogus Transactions, Data Diddling, Inside Sabotage, Physical Attacks, Software Attacks

#### **UNIT -IV [PART-A]**

Q.No	Question	Competence	Level
1	Identify the term traitors and moles.	Understanding	BTL 2
2	Write the difference between state espionage and military espionage?	Analyzing	BTL 4
3	Define software attacks.	Analyzing	BTL 4
4	List out the categories in traitors and moles.	Remembering	BTL 1
5	Define corporate espionage.	Remembering	BTL 1
6	List out the types of espionage?	Analyzing	BTL 4
7	Why privacy is important for business?	Analyzing	BTL 4
8	What are types of business relationships?	Remembering	BTL 1
9	Define physical attacks.	Analyzing	BTL 4
10	What is the meaning of business relationships?	Understanding	BTL 2
11	Which one is a good business relationship?	Creating	BTL 6
12	How do you build good business relationships?	Understanding	BTL 2
13	Why business relationships are more important?	Understanding	BTL 2
14	What skills are needed to maintain business relationships?	Evaluating	BTL 5
15	What are the main goals to have a successful relationship in business?	Applying	BTL 3
16	Define the term fraud and embezzlement.	Understanding	BTL 2

17	Define software attack.	Understanding	BTL 2
18	Discuss about visit.	Remembering	BTL 1
19	Define the term data diddling.	Remembering	BTL 1
20	How do you use visits?	Applying	BTL 3
21	What are the techniques used for visit?	Remembering	BTL 1
22	What are the two ways for sabotages?	Applying	BTL 3
23	Compare the main difference between physical attacks and software attacks.	Analyzing	BTL 4
24	Write about logic bomb attack in software.	Understanding	BTL 2

**UNIT -IV [PART-B]**

Q.No	Question	Marks	Competence	Level
1	- Discuss in detail about Traitors and Moles.	16	Understanding	BTL2
2	- Briefly explain about (i) State Espionage (ii) Military Espionage	16	Remembering Remembering	BTL1 BTL1
3	- Explain in detail about the types of espionage.	16	Understanding	BTL2
4	- Demonstrate in detail about the importance of privacy in business.	16	Applying	BTL3
5	- Explain in detail about corporate espionage with suitable example.	16	Applying	BTL3
6	- Write a short note about the main goals to have a successful relationship in business?	16	Understanding	BTL2
7	- Classify the types of Sabotage and the significance of each and every one.	16	Remembering	BTL1
8	- Write the difference between the term embezzlement and fraud.	16	Analyzing	BTL4
9	- Discuss about data diddling and explain it with suitable example?	16	Applying	BTL3
10	- (i) Evaluate why it is important to have a customer visits? (ii) What is embezzlement? Mention why it is important.	16	Applying	BTL3
11	- Briefly explain the following: (i) Software attacks (ii) Physical attacks	16	Analyzing	BTL4
12	- Write in detail about visits and requests explain it with suitable example.	16	Evaluating	BTL5
13	- Explain the theory of Bogus Transactions.	16	Remembering	BTL1
14	- Investigate the effect of Inside Sabotage with suitable case study.	16	Creating	BTL6
15	- Briefly explain the following: (i) Bogus Transactions (ii) Inside Sabotage	16	Analyzing	BTL4
16	- Compare the similarities between state espionage and military espionage.	16	Analyzing	BTL4
17	- Evaluate the skills that are needed to maintain business	16	Applying	BTL3

### UNIT -V COMPUTER BREAK-INS AND HACKING

Accounts, Getting Access, Tools and Techniques, A Demonstration, Network Scanners, Packet Sniffers, Password Crackers, Buffer Overflows and Other Exploits, Covering up Tracks, Information Theft, Gathering Trophies, More than Trophies, Tampering, Web Hacks, Domain Name Service Hacks, Takedown, Remote Shutdown Extent.

#### [PART-A]

Q.No	Question	Competence	Level
1	Can hackers break your computer?	Remembering	BTL 1
2	What is account access ?	Understanding	BTL 2
3	List out the tools in account access.	Evaluating	BTL 5
4	Which tool is used to control rights and permissions throughout a domain?	Remembering	BTL 1
5	Can hackers hack domain?	Understanding	BTL 2
6	Write the purpose of packet sniffer.	Analyzing	BTL 4
7	Define DNS Hacks.	Analyzing	BTL 4
8	Discuss the term 'Tampering'.	Understanding	BTL 2
9	Write the difference between packet sniffer and password crackers.	Analyzing	BTL 4
10	What is packet sniffer?	Remembering	BTL 1
11	Illustrate the term network scanners.	Understanding	BTL 2
12	Point out the uses of web hacks.	Applying	BTL 3
13	Define the term 'information theft'.	Understanding	BTL 2
14	What does it mean to cover a track?	Applying	BTL 3
15	What are the tools used in network scanner?	Applying	BTL 3
16	Write the methods to be followed by password crackers.	Analyzing	BTL 4
17	What are the two types of exploits?	Applying	BTL 3
18	What is the difference between exploits and hacks?	Analyzing	BTL 4
19	Define the term 'buffer overflow'.	Creating	BTL 6
20	Define the term web hacks.	Remembering	BTL 1
21	What is a two stage exploit?	Analyzing	BTL 4
22	Evaluate the methods for covering your track?	Evaluating	BTL 5
23	What is domain?	Remembering	BTL 1
24	Examine -Remote Shutdown Extent.	Analyzing	BTL 3

#### UNIT -V [PART-B]

Q.No	Question	Marks	Competence	Level
1	- Write a short note about account and explain how to getting access from account in detail.	16	Understanding	BTL 2
2	- Discuss in detail about the term Packet Sniffers, and Password Crackers.	16	Remembering	BTL 1
3	- Briefly explain about the motives behind the password crackers.	16	Applying	BTL 3
4	- Explain in detail about the tools and techniques that are used by the hacker.	16	Remembering	BTL 1
5	- Discuss in detail about some methods for covering your	16	Remembering	BTL 1

		track with suitable example.			
<b>6</b>		Explain the process of information theft in detail.	16	Analyzing	BTL 4
<b>7</b>	-	Discuss in detail about the various ways to erase all tracks for covering tracks.	16	Evaluating	BTL 5
<b>8</b>		Explain in detail about Buffer Overflows and other exploits with suitable diagrams.	16	Creating	BTL 6
<b>9</b>	-	What is packet sniffer? Explain in detail about its features with example.	16	Understanding	BTL 2
<b>10</b>	-	Classify the process of covering up tracks and explain about the available tools.	16	Remembering	BTL 1
<b>11</b>	-	Discuss in detail about the methods to be followed by password crackers.	16	Applying	BTL 3
<b>12</b>	-	Discuss in detail about the web hacks application.	16	Understanding	BTL 2
<b>13</b>	-	Compare the similarities between network scanners and packet sniffers.	16	Analyzing	BTL 4
<b>14</b>		Explain the following in detail: (i) Network Scanners (ii) Packet Sniffers	16	Evaluating	BTL 5
<b>15</b>	-	Explain the concept of Remote Shutdown Extent with suitable example.	16	Analyzing	BTL 4
<b>16</b>	-	Point out some examples for information theft in detail.	16	Remembering	BTL 1
<b>17</b>	-	Illustrate the applications of Remote Shutdown Extent.	16	Applying	BTL 3