



Parul University
Faculty of Engineering and Technology
Parul Institute of Engineering and Technology
CSE-Cyber Security Department

Subject Name	PRIVACY AND SECURITY IN ONLINE SOCIAL MEDIA	A.Y	2025-2026
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Subject Code	03M10002UE01	Semester	IInd
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Chapter-1

Sr No	Question	COs	B.T
1	Define Online Social Networks (OSNs).	CO1	Remember
2	Explain the evolution of Online Social Networks with examples.	CO1	Understand
3	List the major features of Online Social Networks.	CO1	Remember
4	Describe the role of OSNs in modern digital communication.	CO1	Understand
5	What types of data can be collected from Online Social Networks?	CO2	Remember
6	Explain different methods of data collection from social networks.	CO2	Understand
7	What is a Social Media API? Give examples.	CO2	Remember
8	Explain how Social Media APIs are used for data extraction.	CO2	Understand
9	Identify the challenges involved in collecting data from OSNs.	CO3	Remember
10	Discuss privacy and ethical challenges in Online Social Networks.	CO3	Analyze
11	Explain the technical challenges faced during OSN data extraction.	CO3	Analyze
12	What opportunities do Online Social Networks provide for businesses?	CO3	Understand
13	Analyze the role of OSNs in social awareness and information sharing.	CO3	Analyze
14	Define pitfalls in Online Social Networks.	CO3	Remember
15	Explain misinformation as a pitfall in OSNs with an example.	CO3	Analyze
16	Compare traditional data sources with OSN data sources.	CO4	Analyze
17	Illustrate a real-world application of OSN data analysis.	CO4	Apply
18	How can OSN data be used for trend prediction?	CO4	Apply
19	Evaluate the impact of API limitations on data collection.	CO4	Evaluate
20	Suggest best practices to overcome challenges in OSN data extraction.	CO4	Create

Chapter-2

1	Define social media data collection.	CO1	Remember
2	List different techniques used for collecting data from online social media.	CO1	Remember
3	Explain web scraping as a technique for social media data collection.	CO1	Understand
4	Describe API-based data collection with examples.	CO1	Understand
5	Compare manual and automated data collection techniques.	CO1	Analyze
6	Define ethical considerations in social media data collection.	CO2	Remember
7	Explain the importance of user consent in social media data collection.	CO2	Understand

8	Discuss privacy issues related to social media data collection.	CO2	Analyze
9	Identify legal and ethical challenges in collecting OSN data.	CO2	Remember
10	Evaluate the impact of unethical data collection practices.	CO2	Evaluate
11	Define data processing in the context of OSN data analysis.	CO3	Remember
12	Explain the steps involved in cleaning social media data.	CO3	Understand
13	Identify common data quality issues in social media datasets.	CO3	Remember
14	Analyze the importance of data preprocessing before analysis.	CO3	Analyze
15	Compare raw data and cleaned data in social media analysis.	CO3	Analyze
16	Define a case study in social media data collection.	CO4	Remember
17	Explain a real-world case study of social media data collection.	CO4	Understand
18	Illustrate how social media data is analyzed in a case study.	CO4	Apply
19	Evaluate the effectiveness of data collection techniques used in a case study.	CO4	Evaluate
20	Design a basic framework for ethical social media data collection and analysis.	CO4	Create

Chapter-3

1	Define trust in the context of online social systems.	CO1	Remember
2	Define credibility in online communities.	CO1	Remember
3	Explain the importance of trust in online social networks.	CO1	Understand
4	Describe factors that influence credibility in online communities.	CO1	Understand
5	Differentiate between trust and credibility with examples.	CO1	Analyze
6	Define reputation systems in online social networks.	CO2	Remember
7	Explain how reputation systems work in social media platforms.	CO2	Understand
8	Discuss the impact of reputation systems on user behavior.	CO2	Analyze
9	Identify examples of reputation mechanisms used in OSNs.	CO2	Remember
10	Evaluate the effectiveness of reputation systems in building trust.	CO2	Evaluate
11	Define misinformation and fake news in OSNs.	CO3	Remember
12	Explain the causes of misinformation spread in social media.	CO3	Understand
13	Identify techniques used to detect fake news in OSNs.	CO3	Remember
14	Analyze the challenges involved in detecting misinformation.	CO3	Analyze
15	Compare manual and automated fake news detection methods.	CO3	Analyze
16	Explain methods for enhancing trustworthiness in social media.	CO4	Understand
17	Illustrate the role of verification mechanisms in improving credibility.	CO4	Apply
18	Demonstrate how user education can improve trust in social platforms.	CO4	Apply
19	Evaluate strategies used by platforms to enhance trust and credibility.	CO4	Evaluate
20	Propose a framework to improve trust, credibility, and reputation in social systems.	CO4	Create

Chapter-4

1	Define security in the context of Online Social Networks.	CO1	Remember
2	Explain the role of online social media in law enforcement and policing.	CO1	Understand

3	Identify ways in which OSNs assist crime investigation.	CO1	Remember
4	Analyze the benefits and limitations of using social media in policing.	CO1	Analyze
5	Evaluate the effectiveness of OSNs as tools for law enforcement.	CO1	Evaluate
6	Define information privacy in Online Social Networks.	CO2	Remember
7	Explain the concepts of disclosure and revelation in social media.	CO2	Understand
8	Discuss the effects of information disclosure on user privacy.	CO2	Analyze
9	Identify privacy risks associated with Online Social Networks.	CO2	Remember
10	Evaluate privacy protection measures used in OSNs.	CO2	Evaluate
11	Define phishing attacks in Online Social Networks.	CO3	Remember
12	Explain common phishing techniques used in OSNs.	CO3	Understand
13	Identify indicators of phishing attacks on social media platforms.	CO3	Remember
14	Analyze the impact of phishing attacks on users and platforms.	CO3	Analyze
15	Compare different countermeasures against phishing attacks in OSNs.	CO3	Analyze
16	Define fraudulent entities and fake profiles in OSNs.	CO4	Remember
17	Explain methods used to identify fake profiles in social networks.	CO4	Understand
18	Illustrate techniques for detecting fraudulent behavior in OSNs.	CO4	Apply
19	Evaluate the effectiveness of fraud detection techniques in OSNs.	CO4	Evaluate
20	Design a basic framework for security, privacy, and fraud detection in Online Social Networks.	CO4	Create

Chapter-5

1	Define Online Social Networks and their importance.	CO1	Remember
2	Explain key concepts related to OSN security and privacy.	CO1	Understand
3	List major security challenges in Online Social Networks.	CO1	Remember
4	Discuss the need for reviewing OSN concepts before analysis.	CO1	Understand
5	Analyze how refresher discussions help in understanding OSN security.	CO1	Analyze
6	Define a real-world OSN case study.	CO2	Remember
7	Explain the steps involved in analyzing OSN case studies.	CO2	Understand
8	Illustrate a real-world OSN security case study.	CO2	Apply
9	Analyze security issues identified in a given OSN case study.	CO2	Analyze
10	Evaluate the outcomes of OSN case study analysis.	CO2	Evaluate
11	Define a research paper related to Online Social Networks.	CO3	Remember
12	Explain the importance of research papers in OSN security.	CO3	Understand
13	Identify key contributions of a research paper on OSNs.	CO3	Remember
14	Analyze methodologies used in OSN security research papers.	CO3	Analyze
15	Evaluate the strengths and limitations of a selected OSN research paper.	CO3	Evaluate
16	Define future trends in OSN security and privacy.	CO4	Remember
17	Explain emerging technologies affecting OSN security.	CO4	Understand
18	Analyze potential privacy challenges in future OSNs.	CO4	Analyze
19	Evaluate the impact of future OSN trends on users and	CO4	Evaluate

	platforms.		
20	Propose strategies to address future security and privacy challenges in OSNs.	CO4	Create