Roll No: | | | | | | | | | | | | |

MCA
(SEM IV) THEORY EXAMINATION 2021-22
PRIVACY & SECURITY IN ONLINE SOCIAL MEDIA

Time: 3 Hours   *Total Marks: 100*

Note: Attempt all Sections. If you require any missing data, then choose suitably.

SECTION A

1.   **Attempt *all* questions in brief.**   **2*10 = 20**

Qno	Questions	CO
(a)	Summarize a brief note about opportunities around online social network from the view of businessman	1
(b)	Infer some unexpected difficulties or pitfalls around online social network	1
(c)	Summarize social capitals with suitable example	2
(d)	Solve, what do you do if you are a victim of social media phishing?	2
(e)	Differentiate access control mechanism in traditional data management and OSN	3
(f)	Explain U2U and U2R terms with respect to REBAC	3
(g)	Show the Steps of Identity Management	4
(h)	Discuss the importance of Online Identity Management with OSN	4
(i)	Demonstrate security issues for any chat messenger	5
(j)	Demonstrate privacy issues for any customer care call	5

SECTION B

2.   **Attempt any *three* of the following:**   **10*3 = 30**

Qno	Questions	CO
(a)	State various security issues in Online social network	1
(b)	Summarize variety of trust properties around online social network	2
(c)	Explain following access control approaches D-FOAF and FOAF	3
(d)	Differentiate Identity 1.0 and Identity 2.0	4
(e)	Sketch, Privacy and security issues of Twitter	5

SECTION C

3.   **Attempt any *one* part of the following:**   **10*1 = 10**

Qno	Questions	CO
(a)	Classify all kinds of threats related to security in online social network	1
(b)	Compare all three main aspects of security in detail.	1

4.   **Attempt any *one* part of the following:**   **10 *1 = 10**

Qno	Questions	CO
(a)	Describe various trust models to evaluate trust in online social media networks	2
(b)	Describe, different kinds of social phishing scams with suitable example	2

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5. **Attempt any *one* part of the following:** **10*1 = 10**

Qno	Questions	CO
(a)	Describe access control information for Data management system.	3
(b)	Describe following access control models (i) Discretionary (ii) (ii) mandatory (iii) (iii) role-based access control	3

6. **Attempt any *one* part of the following:** **10*1 = 10**

Qno	Questions	CO
(a)	Show, how information disclosure enables an attacker to gain valuable information about a user.	4
(b)	Show different attacks on identity to steal identity information.	4

7. **Attempt any *one* part of the following:** **10*1 = 10**

Qno	Questions	CO
(a)	How to setup two step verification for Facebook with its privacy and security issues.	5
(b)	How to setup two step verification for Instagram with its privacy and security issues?	5