MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

VII SEMESTER B.TECH. (COMPUTER SCIENCE & ENGINEERING)
END SEMESTER EXAMINATION, NOV/DEC 2023

SUBJECT: ETHICAL HACKING AND CYBER SECURITY [CSE 4066]
REVISED CREDIT SYSTEM
/ / 2023

Time: 180 Minutes   **MAX. MARKS: 50**

Instructions to Candidates:

❖ Answer **ALL** the questions.
❖ Missing data may be suitably assumed.

Q.No	Questions	Marks	AHEP LOs	CO	Blooms Taxonomy
1A.	Outline any five specific security mechanisms defined in X.800 security standard.	(5M)	3	1	4
1B.	Differentiate between White box and Gray box penetration testing.	(3M)	1	1	4
1C.	Demonstrate how Quid Pro Quo technique can be exploited by attackers to compromise computers systems or networks.	(2M)	3	1	3
2A.	Illustrate any 4 vulnerabilities and their impacts that have been discovered in windows operating system.	(4M)	4	2	3
2B.	Summarize the common aspects typically involved in the process of enumeration?	(3M)	4	2	5
2C.	Outline 6 key features of Nmap which helps in the effectiveness of network reconnaissance and security assessments.	(3M)	4	2	4
3A.	Discuss any four uses of NetBIOS system in network communication ?	(4M)	3	3	2
3B.	Illustrate four best practices for hardening windows system.	(3M)	3	3	3
3C.	Analyze the significance of Microsoft Baseline Security Analyzer (MBSA) tool in assessing and improving the security of RPC services?	(3M)	3	3	4
4A.	Summarize four common Security vulnerabilities associated with Apache web server.	(4M)	4	4	5
4B.	Discuss different components of Burp Suite web application tool.	(3M)	4	4	2
4C.	Outline security testing checklists and guides that security testers typically follow when assessing the security of web applications	(3M)	4	4	4

5A.	Justify the enactment of cyber law essential in the indian context? and list the key reasons for their necessity.?	(4M)	3	5	6
5B.	Illustrate various legitimate techniques associated with Credit Card Frauds ?	(3M)	3	5	3
5C.	Differentiate between push and pull attacks on mobile devices.	(3M)	3	5	4