	RV College of Engineering® **Department of Computer Science and Engineering** **CIE - II: Test and Quiz Paper**		
Course & Code	**INTRODUCTION TO CYBER SECURITY (22EM106)**		**Semester: I**
Date : FEB 2023	**Duration:**120 minutes	**Max.Marks**:(10+50)=60 Marks	**Staff :** MH
USN :	**Name :**		**Section : Physics cycle**

NOTE: ***Answer all the questions from Part-A (10 M) and Part-B (50 M)***

Sl.no	PART - A	Marks	* BT	*CO
1	_____________ is a technique where every possible combination of letters, numbers, and symbols to guess the password.	1	L2	CO2
2	_______ and _______ softwares can block attack vectors.	1	L1	CO2
3	Anytime an unknown device is used to sign into your Google account, the user must provide a verification code in addition to the password. This is known as_________	1	L2	CO3
4	_______________is a type of physical social engineering, attacker can gain information by hearing a discussion between two people, or by reading emails and listening to telephonic conversation.	1	L2	CO1
5	______________________is a technique of hiding secret messages in a document file, image file, and program or protocol etc. such that the embedded message is invisible and can be retrieved using special software.	1	L2	CO1
6	_________ is the use of deception to manipulate individuals into divulging confidential or personal information that may be used for fraudulent purposes.	1	L2	CO1
7	The word X is a combination of the words “robot” and “network”. It is a number of Internet-connected devices, each of which is running as a slave. This can be used to perform DDoS attacks, steal data, send spam. Identify the word X ?	1	L2	CO2
8	An _______________ attack is an attack in which an adversary successfully assumes the identity of one of the legitimate parties in a system or in a communications protocol.	1	L1	CO2
9	While using the internet on your home computer a pop-up window keeps appearing in the middle of your screen. Identify type of Social Engineering attack.	1	L1	CO1
10	A person is using an ATM, the person behind them is standing behind them but just to the side watching what they are doing. Identify type of Social Engineering attack.	1	L1	CO1

Sl.no.	PART - B	Marks	* BT	*CO
1.a	What are Botnets? Explain How Botnets involved in cybercrimes.	6	L2	CO3
1.b	Define Cyberstalking. Explain the steps of how stalking works?	4	L2	CO1
2.a	What is the purpose of social networking. Explain Different types of social networking with example.	6	L2	CO1
2.b	Explain the following in detail. i. Social media addiction ii. Cyberbullying	4	L2	CO2
3.a	Define network segmentation. Explain the working principle of network segmentation.	6	L2	CO4
3.b	List and briefly explain digital security tools.	4	L2	CO5
4	List and explain different types of firewalls along with advantages and disadvantages.	10	L3	CO4
5	Explain the following in detail. i. Brute force attack ii. Dictionary attack iii. Two step Authentication	10	L3	CO3

COURSE OUTCOMES:

CO1:	Understand the cyber-attacks and their principles for different domains- social media, E-commerce, and digital devices.
CO2:	Analyse vulnerabilities in different domains that the attacker capitalizes for attack.
CO3:	Apply different attacking techniques that make use of vulnerabilities available in various domains.
CO4:	Evaluate methods to cover different vulnerabilities to safeguard the systems against cyber-attacks.
CO5:	Investigate modern tools and technologies available to mitigate cybercrime attacks.

	L1	**L2**	**L3**	**L4**	**L5**	**L6**	**CO1**	**CO2**	**CO3**	**CO4**	**CO5**
Part-A & B	**04**	**36**	**20**	*******	*******	*******	15	08	17	16	04