

	RV College of Engineering® Department of Computer Science and Engineering CIE - I: Test Paper		
Course & Code	INTRODUCTION TO CYBER SECURITY (CS124BTF)		Semester: II
Date: 15/05/2024	Duration: 90 minutes	Max.Marks : 50 Marks	
USN :	Name :		

NOTE: *Answer all the questions*

Sl.no.	Questions	Marks	BT	CO
1.a	Cyber Security is all about securing the Cyber Space. What you mean by Cyber Space. Trace the evolution of Cyber space from the early computing era of mainframe to present mobile communication. Identify the technical revolutions happened in each transition.	05	L2	CO1
1.b	Distinguish between Cyber Security and Information Security.	05	L1	CO1
2.a	List and explain different types of cyber security threats.	06	L2	CO1
2.b	Identify and explain in brief the steps involved in the Security System Development Life Cycle (SecSDLC).	04	L2	CO1
3.a	Define passive attack. List and explain the any three tools used in passive attack.	06	L2	CO5
3.b	Explain Pay-per-click business model with all the stake holders of this model and also discuss the fraud activities involved in this model.	04	L3	CO2
4.a	What are proxies? How and why attackers use proxies.	06	L3	CO3
4.b	Mr. Bhaskar needs to fill an online application for a government job which needs to pay the application fee in web portal itself. Mr. Bhaskar plans to fill online application in a Cybercafé, identify and discuss the safety measures he needs to follow while filling and after filling the application.	04	L3	CO2
5.a	In a large financial institution, the accounting department notices small, unauthorized transactions occurring across multiple accounts over some time. Upon investigation, it's revealed that these transactions were orchestrated by an employee who manipulated financial records to siphon off small amounts of money from various accounts. Identify and explain the type of cyber-attack described in the scenario.	06	L3	CO4
5.b	Explain the following in detail i. Shoulder surfing ii. Dumpster Driving	04	L2	CO3

	L1	L2	L3	L4	L5	L6	CO1	CO2	CO3	CO4	CO5
Marks	05	25	20	***	***	***	20	08	10	06	06