

Enroll No

K.E.Society's
Rajarambapu Institute of Technology, Rajaramnagar
(An Empowered Autonomous Institute, affiliated to SUK)
Unit Test –II (2025-26)
F.Y. B. Tech - CSE (Div – H, I, J).

Q.P.Code
UT 3503

Course Code: SH178

Course Name: Introduction to Cyber Security

Day & Date: Monday, 01/12/2025

Time: 2.30 PM to 3.30 PM

Max Marks- 25

- Instructions:**
- 1) All questions are compulsory.
 - 2) Figures in rounded () brackets within the question, indicate the scheme of marking for respective part of the question, whereas, figures in the first right column indicate total marks for that whole question.
 - 3) CO is the index number of the Course Outcome statement.
 - 4) The Bloom's taxonomy level (BL) for 1,2,3,4,5 and 6 is remember, understand, apply, analyze, evaluate and create respectively.
 - 5) Assume suitable data if necessary.
 - 6) Use of non-programmable calculators is allowed

			Marks	BT Level	COs
Q.1	A	Differentiate between Viruses and Worms(3 M). Explain their working mechanisms and impact on systems(4 M)	7	L2	CO3
	B	Explain the working of a proxy server(2 M). Describe different types of proxy servers with suitable examples(4 M).	6	L2	CO3
OR					
	B	Illustrate the concept of password cracking(2 M) along with any four cracking methods and their countermeasures(4 M)..	6	L2	CO3
Q.2	A	Explain the characteristics of spear phishing(3 M) and justify why it is more successful than general phishing attacks(3M).	6	L3	CO4
	B	Construct a scenario showing how stolen credentials can progress through multiple stages(2 M) from phishing to account takeover to identity theft(2 M) and summarize the damage caused at each stage(2 M).	6	L5	CO4

