

**Subject Name : CYBERSECURITY FUNDAMENTALS**

(Assignment Problems from DAY-4 to DAY-6)

#	Assignment Question	Max. Marks
1.	Prepare a Case Study on the shortage of cybersecurity professionals in India, its impact on organizations, and the measures needed to address this challenge(Discuss the specific implications for the Indian context)	5
2.	Analyze a significant cyber attack(s) that has affected an Indian organization or institution. Evaluate the specific challenges faced, the response to the incident, and the lessons learned.	5
3.	Investigate the top cybersecurity problems faced by universities and colleges, with a focus on the specific types of cyberattacks targeting higher education institutions.	5
4.	Select and analyze three real-world malware attacks, covering different malware types such as viruses, worms, and ransomware. For each case, describe the attack vector, the target, the impact.	5
5.	Provide Comparative Analysis on DES, AES, RSA.	5