

Department of Information & Communication Technology

V Semester, B.Tech(IT)

Subject: Cyber Security (ICT 3156)

Date: 17-11-2021

Time: 4PM - 5.30PM

=====

1. What is incomplete mediation? Mention the consequences of same with an illustrative example. (4 Marks)
2. Suppose, an organization is using RSA with modulus n and public exponent e . One day they are hacked, and their private key d becomes known to the attackers. Bob, the security consultant, suggests that instead of regenerating the new keys completely from the scratch, only the new exponents e' , d' need to be re-computed, leaving the modulus n unchanged. Is this safe or not? Explain. (4 Marks)
3. What is necessity of combining paging and segmentation for memory protection? Explain the working of the same. (3 Marks)
4. Differentiate between Access Control List and Access Control Matrix with suitable examples (3 Marks)
5. Discuss Rouge access points and Initialization Vector (IV) Attack in detail. (3 Marks)
6. Discuss various aspects of malicious code infections with illustration. (3 Marks)