

### ASSESSMENT # 2

Total Marks: 30

1. Give short answers for the following questions: (15)
  - i. What is meant by 'authentication'? Provide an example.
  - ii. Briefly describe the concept of encryption and its benefits.
  - iii. What is a digital signature?
2. Discuss the difference between antivirus and firewall security measures. Why is it more effective to combine the two, rather than relying on one safeguard alone? (8)
3. Provide five examples of strong passwords and five examples of weak passwords. Explain the strengths/weaknesses of each and suggest ways to improve the weaker passwords. (7)