Day: Monday
Date: 20/05/2019   **S-2019-1319**   Time: 10.00 am to 12.00 Noon
Max Marks: 40

N.B.:
1) Attempt any **FIVE** questions.
2) Figures to the right indicate **FULL** marks.

Q.1   Clearly explain the terms confidentiality, integrity and availability in the **(08)** context of information security.

Q. 2   **a)**   Distinguish between virus and Trojan horse.   **(04)**

      b)   What is authentication? What system of authentication is used in ATMs?   **(04)**

Q. 3   What is "Ransomware"? What steps can be taken to avoid being hit by **(08)** ransomware?

Q. 4   What is a "phishing" attack? Explain the steps that can be taken to avoid **(08)** security breaches due to phishing attacks.

Q. 5   What aspects can be checked to ensure authenticity of a web site?   **(08)**

Q. 6   Describe how security is ensured for an on-line banking transaction.   **(08)**

Q.7   What is an IDS? Briefly explain its functioning.   **(08)**

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