Q.P. Code: 27203

[3 Hour]   [80 Marks]

N.B.
   (a) Question No.1 is compulsory
   (b) Total 4 questions need to be solved
   (c) Attempt any three questions from remaining five questions.
   (d) Assume suitable data wherever necessary, justify the same

Q.1:
(a) Can be hacking ethical? Justify   [5]
(b) Differentiate between firewall and IDS.   [5]
(c) What are the security risks associated the cloud?   [5]
(d) List the security attacks that threaten security goals. (Confidentiality, Integrity and Availability)   [5]

Q.2:
(a) Compare between Symmetric and Asymmetric cryptography.   [10]
(b) List the steps involved in Data Encryption Standard (DES) Algorithm with brief description.   [10]

Q3:
(a) How does Antivirus work? List and explain the generations of Antivirus approaches.   [10]
(b) Classify the cybercriminals and how cybercriminal plan the attack.   [10]

Q4:
(a) Explain the need for incident detection and analysis.   [10]
(b) Differentiate between SSL and SET.   [10]

Q5:
(a) What is Biometric security? Describe advantages the Biometric authentication.   [10]
(b) List and describe the types of firewall.   [10]

Q.6:
(a) What is risk management? Describe the risk control strategies.   [10]
(b) Explain Intellectual Property and Cyber Law.   [10]