

MGKVP University Question Paper
B.C.A. Examination, 2016
(Sixth Semester)
First Paper
(Computer Network Security)
MGKVPonline.com

Time Three Hours

Maximum Marks : 75

Note: Attempt any five questions. All questions carry equal marks.

Note : The answers to short questions should not exceed 200 words and the answers to long question should not exceed 500 words.

1. (a) Discuss various kinds of attacks?
(b) With a neat diagram, explain a model for network security?
2. (a) What are the requirements for message authentication?
(b) Explain PGP? Why should some encrypt e-mail?
3. (a) Assume a client C want to communicate with a server S using Kerberos protocol, how can it be achieved?
(b) Explain authentication header?
4. (a) What is SNMP? How does it work, explain?
(b) Explain secure- Electronic transactions? Explain various Key requirements need for secure electronic transactions?
5. What is a firewall, explain the various types of firewall configurations with relevant diagram?
6. Explain followings :
 - a) Intruders
 - b) Viruses
 - c) SNMPV3
7. (a) What are the properties a digital signature should have?
(b) Explain classical Encryption techniques in detail?
8. Write short notes (any three) :
 - (i) Public Key Crypto system
 - (ii) S/Mime
 - (iii) Configuration Management
 - (iv) Secure Socket Layer
 - (v) X.509