

Code: 9F00404a

MCA IV Semester Regular & Supplementary Examinations, July 2013

**INFORMATION SECURITY**

Time: 3 hours

Max Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) What do you mean by security attack? With examples distinguish between passive attacks and active attacks.  
(b) With a neat diagram explain the model for internetwork security.
- 2 (a) Describe the feature of DES and AES.  
(b) Distinguish between link encryption and end-to-end encryption.
- 3 (a) Explain Diffie-Hellman key exchange algorithm with an example.  
(b) Give a brief note on Kerberos Realm.
- 4 (a) Describe the functions of PGP in detail.  
(b) What headers are added to RFC822 to support multimedia files?
- 5 (a) Explain authentication header in detail.  
(b) Give a note on ISAKMP in detail.
- 6 Discuss about SET in detail.
- 7 (a) Write notes on SNMPV1 community services.  
(b) What is a virus? How does it propagate? What are the counter measures? Explain.
- 8 (a) What is a firewall? What are its limitations?  
(b) Explain in detail trusted systems.

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