

Code: 9F00404a

MCA IV Semester Supplementary Examinations May 2019

**INFORMATION SECURITY**

(For 2009, 2010, 2011, 2012 (LC), 2013, 2014, 2015 & 2016 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Describe the security attacks.  
(b) Illustrate the security mechanisms.
- 2 Analyze DES with different properties and design criterion with example.
- 3 Design secure hash algorithm with different functions.
- 4 List and explain S/MIME content types.
- 5 With a neat diagram, explain the IP security.
- 6 With a neat diagram, explain handshake protocol.
- 7 What is SNMPv3? Explain the flow of SNMPv3.
- 8 Explain different kinds of firewalls with different intrusion detection approaches.

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