U.S.N

P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belgaum)
Eighth Semester, B.E. - Computer Science and Engineering
Semester End Examination; June - 2016
Network Security and Cryptography

Time: 3 hrs   Max. Marks: 100

Note: i) Answer any **FIVE** full questions, selecting at least **TWO** full questions from each part.
     ii) Assume missing data suitably, if any.

PART - A

1 a.	Explain the following :	10
	i) Integrity ii) Possesion iii) Authenticity	
	iv) Availability v) Accuracy	
b.	Which model has been considered as comprehensive model for information security? Explain the source.	6
c.	Briefly explain the approaches used for the implementations of information security.	4
2 a.	Explain the issue specific security policy and its documents.	10
b.	Discuss the components of contingency planning with the timeline.	10
3 a.	Explain the various architectural implementations of firewalls.	10
b.	Define and explain the types of IDS.	10
4 a.	Discuss the various types of attacks on cryptosystems.	10
b.	Explain the RSA algorithm.	7
c.	What is digital signature? What is its significance?	3

PART - B

5 a.	Discuss about the various density services.	10
b.	Explain the Kerberos version by dialogs based on TGS.	10
6 a.	Explain the services provided by PGP.	10
b.	What is S/MIME? Explain S/MIME content type.	10
7 a.	What are the benefits of IPSec?	6
b.	With the format explain IPSec.	6
c.	What is Oakley algorithm used for? Discuss its features.	8
8 a.	Explain the Handshake protocol of SSL.	10
b.	With the diagram explain the different participants of SET.	10

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