Hall Ticket Number :										

R-11/R-13

Code : 1G162

III B.Tech. II Semester Supplementary Examinations May 2018

Cryptography and Network Security

(Computer Science & Engineering)

Max. Marks: 70 **Time: 03 Hours**

Answer *any five* questions

All Questions carry equal marks (14 Marks each)

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1.	a)	What is a security attack? Explain different types of active and passive attacks?	7M
	b)	Explain how the buffer overflow and format string overflow vulnerabilities occur?	7M
2.	a)	What are the various key distribution approaches for message authentication?	9M
	b)	Explain the process of generating pseudo random numbers using hash functions and MAC?	5M
3.	a)	Differentiate between public key cryptography and digital signature with relevant examples.	7M
	b)	Give the format of X.509 digital certificate .Explain the purpose of each field	7M
4.	a)	What are the five principal services provided by PGP?	5M
	b)	Explain S/MIME?	9M
5.	a)	What is security association ?Describe the parameters that uniquely identity a security association	7M
	b)	Explain encapsulating security protocol in detail.	7M
6.	a)	Explain SSL architecture with a neat sketch?	9M
	b)	Mention the differences between SSL and TLS?	5M
7.		Explain in detail Simple Network Management Protocol?	14M
8.	a)	What are the limitations of firewalls?	5M
	b)	What is trusted system? Discuss How Trojan horse is done by trusted system	9M

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Hall Ticket Number :										

R-11 / R-13

Code: 1G165

III B.Tech. II Semester Supplementary Examinations May 2018

Software Engineering

(Computer Science and Engineering)

Max. Marks: 70 Time: 3 Hours

Answer any **five** questions

All Questions carry equal marks (**14 Marks** each)

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1.	a)	Define Software Engineering? Explain any three software myths.	6M
	b)	Explain Key activities at different process maturity levels through CMM.	8M
2.	a)	Explain in detail various steps of spiral model with a neat diagram.	9M
	b)	Distinguish spiral model from waterfall model.	5M
3.		Discuss five different steps of requirement engineering process with suitable examples.	14M
4.	a)	Describe various architectural patterns/styles with diagrams.	9M
	b)	Write about any one tool for data design.	5M
5.	a)	Discuss the importance of Three Golden Rules for user interface design.	9M
	b)	Describe Decision Table with example.	5M
6.	a)	Differentiate validation from verification.	4M
	b)	Discuss importance of any 5 testing techniques used during testing process.	10M
7		What are Software risks? How S/W risks are Identified and Managed?	14M
8.		Describe the Role of technical Reviews in Software Quality Assurance activity.	14M

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