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BICSE-016

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P.T.O.

## B.Tech. - VIEP - COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

## December, 2018

## BICSE-016: CRYPTOGRAPHY AND NETWORK SECURITY

Time: 3 hours Maximum Mar						
No	<b>te</b> : Answer any <b>five</b> questions. All questions co equal marks.	ırry				
1.	Explain the term Cryptography. Also explain the various security attacks and their types.	14				
2.	What is DES? Using suitable diagram, explain its one complete iteration in detail.					
3.	<ul><li>(a) What is meant by Block Cipher?</li><li>(b) What are the key algorithms used in S/MIME?</li></ul>	7				
4.	Using a suitable example, explain the Diffie-Hellman key exchange algorithm.	14				

<b>5.</b>	How	does symmetric	e key cr	ryptography	and		
	asymmetric key cryptography get used in digital						
	signatures?						
6.	(a)	What are the produce message			s to		
	(b)	What is the differ authentication confunction?			Ü		
7.	Expla detai	in the $\overline{\mathrm{MD5}}$ me	ssage-dig	est algorithm	m in 14		