Total 1	No	No. of Questions : 8] SEAT No. :				
PA-	15		of Pages : 2			
		[5926]-127 T.E. (Information Technology)				
COMPUTER NETWORK & SECURITY						
(2019 Pattern) (Semester-II) (314451)						
Time :	• 21	2½ Hours] [Max.	<i>Marks</i> : 70			
Instru	cti	ctions to the candidates:	17141115 . 70			
1, 2	_					
3	_	Figures to the right side indicate full marks.				
4,	•)	Assume suitable data if necessary.				
Q1) a	a)	Explain DSDV & AODV protocol in detail.	[9]			
1	b)		-			
		ù sèd.	[9]			
		ORO / S				
<i>Q2</i> ) a	a)	Explain design issues and design goal in adhoc network MAC	layer. <b>[6]</b>			
1	b)	Compare sensor network with adhoc wireless network.	[6]			
(	c)	) Explain with diagram clustered architecture for sensor network	c. [6]			
		CY 30°				
Q3) a	a)	) Explain different block cipher modes.	[8]			
1	b)	Comment on security principles and security services.	<b>[9]</b>			
		OR	.0			
Q4) a	a)	) What is importance and need of security?.	× <sup>V</sup> [5]			
1	b)	Explain distributed Denial of service attacks.	[6]			
(	c)	) Explain Electronic Code block (ECB) mode	[6]			
Q5) a	a)	) Explain difference between symmetric and asymmetric key cryp	ntogranhy			
23)	u)	2 Explain difference between symmetric and asymmetric key cryp	[ <b>9</b> ]			
1	b)	Explain Data Encryption Standards with diagram.	[9]			
	,	OR OR				
			<i>P.T.O.</i>			

<b>Q6</b> )	a)	Explain following terms:	[9]
		i) Groups	
		ii) Rings	
		iii) Prime Numbers	
	b)	Explain diffic Hellman key exchange in detail.	[9]
<b>Q</b> 7)	a)	What is cyber terrorism? Write in detail example of cyber terrorism.	[8]
	b)	What is a man-in-the-middle attack (MIM)? Explain in detail.	[9]
		OR	
<b>Q</b> 8)	a)	Explain the term phishing & SQL Injection with suitable example.	[8]
	b)	Explain the term cyber stalking & cyber espionage with suitable exam	
			[9]
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