Eighth Semester B.E. Degree Examination, Jan./Feb.2021 Information and Network Security

Time: 3 hrs.

Max. Marks:100

(10 Marks)

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

		PART – A	
1	a.	What is policy? With a block diagram, explain relationship among policies,	standards,
	ç	guidelines, procedures and practices.	(10 Marks)
	b.	Describe an EISP and its components.	(10 Marks)
2	a.	Briefly explain the best practices for firewall use.	(10 Marks)
	b.	Write a short note on : (i) RADIUS (ii) TACACS	(10 Marks)
3	a.	What is IDPS? Explain IDPS terminology.	(10 Marks)
	b.	Explain the features of HIDS. List merits and demerits of the same.	(10 Marks)
_			
4	a.	Define the following terms:	
		(i) Algorithm	
		(ii) Key	
		(iii) Plain text	
		(iv) Stegnography.(v) Work factor.	(10 Marks)
	b.	Explain Vernam Cipher method with an example.	(10 Marks)
	υ.	Explain Vernam Cipher method with an example.	(20 2.2)
		PART – B	
5	a.	What is security attack? Discuss various categories of active attacks.	(10 Marks)
	b.	Describe briefly X.800 security service.	(10 Marks)
6	a.	Explain different components of PGP message.	(10 Marks)
	b.	Explain different MIME content types.	(10 Marks)
7	a.	With a neat diagram, explain IP security architecture.	(10 Marks)
	þ.	Discuss briefly ESP packet format.	(10 Marks)
	0		
8	a.	Explain the parameters that define session state and connection state in SSL.	(10 Marks)

* * * * *

What are the services provided by SSL record protocol?