25/12/1

## Fleefix -II Information Security

28: 2nd half.12-shilpa(e) Con. 9961-12.

## (OLD COURSE)

(3 Hours) [Total Marks: 100

N.I	3. :	<ul><li>(1) Question No. 1 is compulsory.</li><li>(2) Attempt any four questions from remaining six questions.</li></ul>	
1.		What is Primary advantages of SSL over IP Sec ? What is Primary advantages and IP Sec over SSL ?	5
		) What is a validation error, and how can such an error lead to a security flow?  What is the distinction between a polymorphic and a metamorphic worm?  How might metamorphic software be used for good instead of evil?	5 5
	(d)	What is a race condition? Discuss an example of race condition?	5
2.	(b)	List major security threats dealt with each level of TCP/IP protocol stack.  What are the possible attacks on passward?  Distinguish between vulnerability, threat and control.	10 5 5
3.	(b)	What is inference problem in Database? Disucss with example. What is Access Control? How it is different form Availability? Explain relationship between confidentiality, integrity and availability.	10 5 5
4.	(a) (b)		10 10
5.	(b)	Explain firewall, its type and its limitations.  What is difference between Digital Certificate and Digital Signature?  Explain Man-in-the middle (MIM) attack and how SSL prevent MIM attack.	10 5 5
6.		OS. State their uses and disadvantages.	10
	(b)	Explain denial of service attacks.	10
7	(a) (b) (c)	rite short notes on :- PKI RBAC PGP IPSEC	20

Bi (IT) VIII OLD III's

Data waxhousing & Mining

24 2nd half 12-AM(n)

Con. 10495-12.

## (OLD COURSE)

KR-7353

(3 Hours)

[Total Marks: 100

N.	В. :	(1) (2) (3)	Question No. 1 is compulsory.  Attempt any four out of remaining six questions.  Assume suitable data wherever required.		
1.		Explain major steps in ETL process with a suitable diagram and an example Explain association rule mining. Explain apriori algorithm with its advantages		10	
2.	(a) (b)	Explain web enabled data warehouse and its major concerns for security. Explain data mining as a step in KDD. Give the architecture of typical data mining system.			
3.	(a)	diffe	are the top-down and bottom-up approaches for building data warehouse r? Discuss the merits and limitation of each approach. Also discuss the practical roach.	10	
	(b)	Expl	ain web mining. Explain web content mining with reference to crawlers, Harvest em, virtual web view and personalization.	10	
4.	(a)		e key issue to be considered while planning for data warehouse. Explain any of them.	10	
	(p)	Defi	ne classification. Explain k-nearest neighbour classification algorithm.	10	
5.	, ,	a) Differentiate between star schema and snowflake schema and fact constella b) What are techniques and applications of data mining?		10 10	
3.	(a)	Descor ea	cribe different clustering algorithms. Discuss advantages and disadvantages ach.	10	
	(b)	Wha	It is the importance of metadata in a data warehouse? What are different s of metadata stored in data warehouse.	10	
7.		(a) T (b) C (c) C	ort notes on any <b>two</b> of the following :— emporal Mining MQL comparision between OLAP and OLTP epatia: Data Mining.	20	