## a2zpapers.com

Exam. Code : 208602 Subject Code : 5286

## M.Sc. Information Technology 2<sup>nd</sup> Semester NETWORK DESIGN AND PERFORMANCE ANALYSIS

Paper—MIT-205		
Time Allowed—3 Hours] [Maximum Marks-	-100	
Note: — Attempt any FIVE questions. All questions equal marks.	carry	
(a) What are different business requirements of planning		
and choosing networks? Explain.	10	
(b) How traffic sizing is measured in network plan	ning?	
Elaborate.	10	
2. (a) Discuss the procedure for throughput calculate	ion of	
networks.	10	
(b) What are traditional traffic engineering metl	nods?	
Explain.	10	
3. Explain the following by taking an example of ea	plain the following by taking an example of each:	
(a) Packet switched traffic modeling	10	
(b) Traffic matrix.	10	
4. Compare the following:		
(a) Private vs Public Networking	10	
(b) Packet switching and cell switching.	-10	
6935(2518)/CTT-37514 1	Contd.)	

www.a2zpapers.com www.a2zpapers.com

oad free old Question papers gndu, ptu hp board, punjab

## a2zpapers.com

5.	Disc	cuss the following parameters for network compa	rison:
	(a)	Throughput	5
	(b)	Burstiness	5
	(c)	Delay Tolerance	5
	(d)	Response time.	5
6.	Discuss the procedure for tuning the network to optimize		
	netv	work and backbone design.	20
7.	(a)	How network optimization can be achieved? Ex	cplain.
			10
	(b)	Discuss the tools for measuring network optimize	zation.
		New asircal care and a constitution	10
8.	Wri	te short notes on the following:	
	(a)	Tools for securing the network.	10

10

www.a2zpapers.com www.a2zpapers.com

(b) Network Modeling.