Registration no:																
Tota	ıl Nu	mber of Pag	jes: 0	2	102			102			102			102	MCC3	
_					Jular / Back Examina IPUTER NETWORKS BRANCH: MCA Time: 3 Hours Max Marks: 70							102				
A	Q.CODE: Y613 Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks.															
102 Q1	a) b) c)	Answer the Difference b Write down network? Distinguish transmission	etweethe the the between	en ha hree weer	alf-du e crite	iplex eria r aseb	and f neces	ssary	-	an ef	fectiv	/e ar		cient	(2 x 10	102
102	d) e) f)	What is peel Define three What is the 4000 Hz? How does N	type: samp RZ-L	s of tolling	transi rate er fron	missi of PC m NR	CM if RZ-I ?	the fi	reque	ency		es fro	m 200	102 00 to		102
102	h) i) j)	What do you Differentiate Resolution F Differentiate IPv4?	Addr Protoc	ess col (F	Reso RARF	olutio P)?	n Pro	otocol	(AR	P) wi	th Re			400		102
Q2		What is CR0 the generate								•	_			_	(2+8)	
Q3 102	a) b)	Describe the layer. 102 What does S line having communicat capacity of the layer.	Shanr a b ion.	non o and The	capad wid sign	city to	o do v f 30	with 6	comn Hz is	nunic s ass	ation	s? A	telepl r	hone data	(5) (5)	102
Q4	a)	Show the Nobelow 0100						encoc	ding	for th	ne bi	t pat	tern g	given	(5)	102

(5)

b) Explain checksum technique with an example.

 b) A receiver receives the code 11001100111. Using algorithms, find which bit is in error and what the original strength of the company of the company of the code 11001100111. Using algorithms, find which bit is in error and what the original strength of the code 11001100111. Using algorithms, find which bit is in error and what the original strength of the code 11001100111. Using algorithms, find which bit is in error and what the original strength of the code 11001100111. Using algorithms, find which bit is in error and what the original strength of the code 11001100111. Using algorithms, find which bit is in error and what the original strength of the code 11001100111. Q6 a) Explain the CSMA/CD method of medium access in the code 11001100111. Q7 Design at least 4 subnets and 20 hosts per subnet address 192.127.4.0. Also find the subnet mask and for each of the subnets. 	iginal code is seen Ethernet LANs m to improve Question to the neen the seen the seen the neen the seen the se	ent. s. (5) loS. (5) twork (10	102
 What is QoS? Discuss the traffic shaping mechanis Design at least 4 subnets and 20 hosts per subnet address 192.127.4.0. Also find the subnet mask and for each of the subnets 	m to improve Q t. Given the ne d broadcast ad	twork dress	102
Q7 Design at least 4 subnets and 20 hosts per subnet address 192.127.4.0. Also find the subnet mask and for each of the subnets	t. Given the ne d broadcast ad	twork dress	102
address 192.127.4.0. Also find the subnet mask and	d broadcast ad	dress	102
	402	(5 x	2)
Q8 Write short answer on any TWO: a) SMTP b) IPSec c) PGP d) Congestion Control	102		
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