GANPAT UNIVERSITY

M. Tech. Semester II(EC) Regular Examination, MAY JUNE 2012 DATA COMMUNICATIONS AND NETWORKS (3EC 203)

	Max. T Instru	Sime: 3Hrs.] [Max. Marks	: 70
		Attempt all questions.	
		Answers to the two sections must be written in separate answer books.	
		Figures to the right indicate full marks.	
	4.	Assume suitable data, if necessary.	
	5. (Question number Three & Six are compulsory	
		SECTION I	
		tell en unimpo la como la como la como la como la como la como como como como como como como com	
1	(A)	What do you meant by YCM method to represents the image? Differentiate between de facto and de jure as far as standards are concern.	6
	(B)	How ISO is different from OSI and what is best -effort delivery?	3
	(c)	Give briefing on Data link layer.	36
		OR	
1	(A)	What are the full forms of RJ 45 and BNC connectors? Give an overview of	66
		classes of transmission media.	
	(B)	What is a message-switched network? Prove that in a three stage switch the	6
		numbers of cross points are less than cross points of single stage switch for	
		same function.	U
2	(A)	What is masking and how it is used for PN offset?	5
-		Explain flow diagram of CSMA /CD	6
	(B)	OR	U
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2	(A)	What is stop- and -wait protocol? Explain it.	5
	(B)	Write short note on Piggybacking.	6
3	(A)	Write in brief regarding PIJF cables.	5
	(B)	Why upstream bandwidth is not same as downstream bandwidth in ADSL?	4
	(c)	Differentiate between 800 services with 900 services.	3
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		SECTION-II	4
4	(A) (B)	Explain key features of IP V 4. Give summary of standard Ethernet implementations. How 10base5	8
		implementation is named so? OR	1
4	(A) (B)	Explain key features of IP V 6. How repeater is different from an amplifier? Explain spanning tree concept with the help of diagram.	8
5	(A)	Draw a diagram of simple networking showing SONET equipment and	7
	(B)	explain it in detail. Explain the concept of add –drop in context of optical communication. OR	4
5		Write short notes on (A) ATM (B) Frame relay.	11
6	(A) (B)	Why wireless LAN cannot implement CSMA /CD? What is hidden station problem and how it is different from exposed station	5
	(C)	problem? Give generic formula for Bluetooth carrier frequency.	1

THE END OF PAPER

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