Total No	o. of Questions : 6] SEAT No. :	
P5146	[Total No. of Pag	ges: 2
	BE/Insem - 552	
	B.E. (E & TC)	
	Computer Networks	
	(2012 Pattern)	
Time : 1	Hour] [Max. Mark	s : 30
Instruct	ions to the candidates:	
1)	Answer Q.1 or Q.2, Q.3 or Q.4. Q5 or Q.6.	
2)	Neat diagrams must be drawn wherever necessary.	
3)	Figures to the right side indicate full marks.	
4)	Assume suitable data if necessary.	
Q1) a)	Draw the OSI model. List and explain functions of data link layer	[6]
b)	List the different types of cables used in networking with their conne and applications.	ectors [4]
	OR	
Q2) a)	Draw and explain data communication system	[6]
b)	Draw star topology and explain its advantages and disadvantages	[4]
Q3) a)	Explain bit stuffing framing method.	[6]
b)	Explain 1 persistent and nonpersistant CSMA protocol.	[4]
	OR	
Q4) a)	Explain 3 types of HDLC frames.	[6]
b)	Explain the Go back N sliding window protocol.	[4]

Q 5) a)	Explain Basic and Extended Service sets in 802.11 standard	[6]
b)	List the connecting devices and explain any one.	[4]
	OR	
Q6) a)	Explain Bluetooth architecture.	[6]
b)	Explain the concept of virtual LAN`	[4]

