	o. of Questions : 10] SEAT No. :	otal No	
No. of Pages :2	7 [4758] - 598 [Total	P2427	
	T.E. (I.T.)		
	COMPUTER NETWORK TECHNOLOGY		
	(2012 Course) (End - Sem.) (Semester - I)		
Aax. Marks: 70	2.30 Hours] [M	ime : 2	
	tions to the candidates:	ıstructi	
	Neat diagrams must be drawn wherever necessary.	1)	
	Figures to the right indicate full marks.	2)	
	Your answers will be valued as a whole.	3)	
	Assume suitable data, if necessary.	4)	
[6]	What is the significance of ARP and RARP Protocols?	21) a)	
[4]	Explain operation of ICMP with suitable example.	b)	
	OR		
et mask, how [6]	For a given class B network 144.155.0.0 with default subracan you divide it into 8 subnets? Write the	(2) a)	
	i) range of each subnet		
	ii) network IP for 7 th subnet		
	iii) broadcast IP for the 7 th subnet		
	iv) subnet mask in subnets.		
[4]) What is silly window syndrome problem.	b)	
n TCP. [6]	Describe 3-way handshake for connection establishment i	93) a)	

Explain email architecture & its services.

Describe SMTP header format.

OR

What is FTP? Where & when is it used? Why does it require two

b)

b)

ports.

Q4) a)

[4]

[6]

[4]

Q5)	a)	Explain architecture of 802.11.	[10]
	b)	Describe bluetooth protocol stack.	[8]
		OR	
Q6)	a)	Explain in detail architecture of Bluetooth.	[10]
	b)	What are different technical issues to implement WLAN?	[8]
Q7)	a)	Explain different design constraints of WSN.	[8]
	b)	Explain the difference between Pure ALOHA & slotted ALOHA.	[8]
		OR	
Q8)	a)	Which are different task & characteristics of transceiver?	[8]
	b)	What are different design issues of MAC protocol of WSN?	[8]
Q9)	a)	Differentiate between content based & geographic routing.	[8]
	b)	Describe SPIN routing protocol.	[8]
		OR	
Q10)Wri	te short note on (Any two):	[16]
	a)	Addressing in WSN.	
	b)	100 Gigabit Ethernet.	
	c)	Software defined networking.	

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