Total No	o. of Questions : 10]	200	SEAT No. :	
P3829	9 155	61]-250	[Total No. of Pages :	
	B.E. (Electronics of	<b>1</b> X.Y	nication)	
	· ·	R NETWOR	,	
	(2012 Pattern) (S	Semester - I) (	404182)	
Time: 2	2½ Hours]		[Max. M	1arks : 70
Instruct	ctions to the candidates:			
1)	Attempt Q.1 or Q.2, Q.3 or Q.4, Q		Q.8, Q.9 or Q.10.	
2) 3)	Neat diagrams must be drawn whe Figures to the right indicate full	<u> </u>		
4)	Use of calculator is allowed.		90	
5)	Assume suitable data, if necessar	y.		
<b>Q1)</b> a)	Draw TCP/IP protocol suit every layer.	e. List with exa	ample addresses pr	resent at
b)	) Compare circuit switching a	nd packet switch	hing network.	[4]
	V*	OR S		
<b>Q2)</b> a)	Draw the HDLC frame form	nat. Write function	on of each field.	[6]
b)				[4]
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()2) ()	What is IEEE 902 112 Eval	Bu rrigalaga I. A.N	Tin hai af	[2]
<b>Q3)</b> a)	(~·v	un wireless LAN	in brief.	[6]
b)	) Compare Bluetooth with Zig	gbee?		[4]
	A Property of the Property of	OR		×
<b>Q4)</b> a)	Write short notes on:			[6]
	i) Gateway.		3	
	ii) Hub.		0,0	
	iii) Routers.	ć	3	
b)	) What is VLAN? How it is w	ork?	9)	[4]
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			· · · · · · · · · · · · · · · · · · ·	
		29.7	Tin brief.	
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		×'		<i>P.T.O.</i>

[4]

**Q5)** a) List the various protocols giving their significance at network layer. [9] Explain the various classes of IP addressing with their respective ranges. b) Also list the range of private IP addresses. [8] Give the classification of commonly used Unicast Routing protocols **Q6)** a) and explain Distance Vector Routing protocol with an appropriate example. [9] With the help of diagram explain IPv4 header format in detail. b) [8] What are the duties of transport layer? List the services provided by **Q7)** a) transport layer to upper layers. [8] Explain connection establishment and connection releasing with respect b) to transport layer. What is socket address? Explain. [4] c) OR Draw the TCP header, Explain the function of each field. **Q8)** a) [8] Explain QoS at transport layer, Also write about transport layer service b) primitives. [9] Explain: FTP and Telnet protocols. *Q9*) a) [6] What is DNS? Explain the components of DNS system. b) What is URL and what are its component. c) [4] OR What are the main responsibilities of Application layer? Explain in brief. *Q10*)a) [6] Explain the RSA algorithm. b) [6] Write short note on electronic mail system. c) [4]