Q-1

Q-2

Time: 2.00 p.m. - 5.00 p.m.

Marks: 70

SARDAR PATEL UNIVERSITY

B.C.A. Semester-6 Examination, 2018 US06CBCA02: Computer Networks Saturday, 31st March, 2018.

	Select the appropriate option for	r the following question	ns:	38 m	* ** 	1	
		ams, equipments & spec		a available	e to anvone	-	
	on a network without regard to the physical location of the resource & user.						
	 a) High reliability 	b) Resource sharing	414 .				
	c) Saving money	d) None of these					
	DQDB stands for						
	DQDB stands for a) Dual Queue Dual Bus c) Dual Queue Dual Bits	b) Double Queue Doub	ole Bus				
	c) Dual Queue Dual Bits	a) Distributed Queue D	ual Bus				
	cable can carry signals	of higher frequency ran	ges than	twisted-p	oair		
	cable.						
	a) Twisted-pair cable	b) Coaxial cable					
	c) Fiber-optic cable	a) None of the above					
	Transmission media are usually ca a) Fixed or unfixed	megorized as					
	b) Guided or unguided						
	c) Determinate or indeterminate or indet	minate					
	d) Metallic or nonmetallic						
	Routing is responsibility of						
	a) Presentation layer			•			
	c) Physical layer	d) Session layer					
	The signal from a satellite is norm	ally aimed at a specific	area calle	ed	•		
	a) Channel	b) Tower			·		
	c) Footprint	d) Orbit					
	Which of the following is not a va	lid form of CSMA?					
	a) 1-persistent b) p-persister	nt c) non-persistent	t	d) persis	stent		
	A bridge operates atlayer(s) a) physicalb) datalink						
	a) physical b) dataink The data elements sent from one d	c) physical & da	talink	d)datalii	nk& network		
	The data elements sent from one d a) Bandwidth	b) Modulation Rate	ona is kr	10wn as _	•		
	c) Data Rate	d) None of these					
	o) Data Rato	d) None of these					
)	OSI stands for	<u> </u>	,				
	a) Open System Interface	b) Organization S	tandard i	nterface	. 5		
	c) Open System Interconnection	n d) Open Standard	Intercon	nection			
	Give short answers of the follow	ving questions: (ANY 7	TEN)	granda karanta	T		
l	Define: Server, Topology						
)	Explain SUBNET in brief.	er.		sugar pari	en energy a		
)	List three categories of computer i			agentes de la mare			
•	weborres or combutor t						
		_					

	6) 7)	Discuss various categories of coaxial cable and state their use. List various modulation techniques.					
	7)						
		Define: Protocol Stack and Network architecture					
	8)		1.				
	9)	Explain orbit.					
173	10)	Write full form of CSMA. List different types of CSMA					
	11)	Explain Gateway in short.					
	12)	What are the two types of network according to connection type? What is the basic difference between them?					
Q-3	A	Explain LAN in detail.					
	В		05				
	_	What are the uses/advantages of computer networks? Explain in detail.	05				
Q-3	A	OR Write a short note on MAN.					
-	В	Explain classification of computer networks.	05				
		Computer networks.	05				
Q-4	A	Explain twisted pair cable in detail.					
	В		5				
		What do you mean by Multiplexing? Explain FDM in detail.	5				
Q-4	A	OR Explain modes, advantages and disadvantages of fiber optics.					
	В	Write the difference between circuit switching and packet switching.					
		and packet switching.	5				
Q-5	A	List all layers of OSI model. Explain any two of them.					
	В	Write a note on protocol hierarchies.					
			4				
Q-5	A	Write a note on wireless network.					
	В	Write a note on geosynchronous satellite.	3				
		Write a note on design issues for the layers.	3				
		to the layers.	4				
Q-6		List topologies. Explain any two topologies in detail. Provide their differences too.	10				
0.1		OR					
Q-6		Which are the network components? Explain repeater and router in detail. What are the differences among them?	_/ . 10				

Explain parallel transmission in brief.

4)