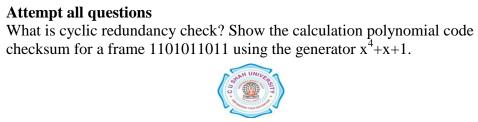
	Enrollm	ent No:		Exam Seat No:			
				I UNIVERSI			_
	Winter Examination-2018						
	Subject	Name: (Computer Networks				
	Subject	Code: 4	TE05CNW1	Branch: B.Tech	(CE,IT)		
	Semeste	r: 5	Date: 28/11/2018	Time: 10:30 To ()1:30	Marks: 70	
	(2) 1 (3) 1	Use of P Instructi Draw ne	ons written on main answe	any other electronic instruer book are strictly to be ob- refree necessary) at right places.	-	hibited.	
Q-1	a) b) c) d) e) f) g) h) i) k) l) m) n)	What is the need of port numbers? What do you mean by ARP? Why TCP services are called Stream delivery services? What are the services offered by network layer? Write difference between Switch and Hub. What are the types of class full addressing? What is mean by Ethernet? What are the salient features of IPv6? Define Topology. What are the issues in data link layer? List Framing Method. Write full form of HTTPS and DHCP.					
Q-2	a) b)	Draw service Differ (i) Co	es provided by each layer or rentiate the following: nnection Oriented Service	s with Connection Less Ser		t two	(07) (07)
Q-3	a) b)	Attem Enlist	Manchester and differenti	n subnet ocols. Explain any one in de al Manchester encoding on		-	(07) (07)



Q-4

(07)

	b)	What do you mean by guided transmission media? Enlist various guided media used for data transmission. Explain co-axial cable in detail.	(07)
Q-5		Attempt all questions	
	a)	Explain distance vector and Link State routing mechanism with example.	(07)
	b)	Describe the working of sliding window protocol. Also explain the piggybacking phenomenon	(07)
Q-6		Attempt all questions	
	a)	Discuss and list the congestion prevention policies at data link, network and	(07)
		transport layers that can affect the congestion	
	b)	Explain a protocol Using Go Back N strategy using pipelining and show the scenario in the case of	(07)
		 when receiver' window size is 1 and 	
		• when receiver' window size is large	
Q-7		Attempt all questions	
	a)	What is the role of Domain Name Server (DNS) in Internet? Explain the hierarchy of various domain names.	(07)
	b)	Explain Different types of Switching methods with examples.	(07)
Q-8		Attempt all questions	
	a)	Explain the working of electronic mail protocols SMTP, IMAP and POP3 in brief	(07)
	• `	with suitable diagram	(O.E.)
	b)	Explain the following techniques for achieving good quality of service. (i) Traffic shaping (ii) Leaky bucket algorithm	(07)

