Enrollme		Exam Seat No:	
		UNIVERSITY amination-2019	
-	Name: Computer Networks Code: 4TE05CNW1 : 5 Date: 14/03/2019	Branch: B.Tech (CE) Time: 10:30 To 01:30	1arks : 70
(2) In (3) D			bited.
Q-1	Attempt the following questions	s:	(14)
a) b) c) d) e) f) g) h) i) k) l) m n	What is the Hamming distance? Subnet mask 255.255.0.0 belongs What is checksum in error detecti For n devices in a network, what is mesh topology? What is virtual circuit network? Discuss Half duplex with example What is the purpose of preamble if What is Multiplexing in computer Give an example of URL and exp What is an Access Link? Define Intranet. Which layer of OSI is responsible	is the number of cable links required to the number of cable links req	for a
Q-2 a)	Attempt all questions  What is connection oriented and of example.	connectionless service? Explain each	(14) with (07)
b	<u> </u>	ing methods with examples.	(07)
Q-3	two services provided by each lay		` ,
<b>b Q-4</b>	Attempt all questions	-	(07)
a)	) What do you mean by random acc	cess protocols? Explain slotted ALOF	IA in ( <b>07</b> )



**b**) Describe Go Back N and Selective Repeat protocol.

brief.

**(07)** 

Q-5		Attempt all questions	(14)
	a)	Explain Leaky bucket algorithm.	<b>(07)</b>
	b)	Write short note on DNS.	(07)
Q-6		Attempt all questions	(14)
	a)	Explain IPv4 datagram format and importance of each field.	(07)
	<b>b</b> )	What do you mean by congestion and overflow? Explain the slow-start component of the TCP congestion-control algorithm	(07)
Q-7		Attempt all questions	(14)
	a)	Explain in detail X.25.	(07)
	<b>b</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-8		Attempt all questions	(14)
	a)	Give architectural overview of WWW.	(07)
	<b>b</b> )	A bit stream 110101011 is transmitted using standard CRC method. The generator polynomial is $x4+x1+1$ . Show the actual bit string transmitted.	(07)

