Media access control sublayer	(B)	1. Cogical link control sublaver	<b>∀</b> )
ρλ	bedivoided	error management mechanism is	A .8
ABM	(d)	C) NRW WWW WWW (	))
VBW		MAA (A	
Man		_	
in the state of the		nd multiple secondary station.	
s unbalanced. We have one primary station	i noitstugi	the station confi	n1 .7
4-oluboM	(D)	Z-oluboM (3	))
8-olubol/I	(a)	7) Modulo-256	7)
190 (197)		e in arithmetic.	
nce number field is 8, the sequence numbers			
mediation and the si blast nodering and	onbob oq;	to onin odt til lonotomm M vland of)	~1 7
TO THE PROPERTY OF THE PROPERT	(1)	TITO TITO (	<b>,</b> )
Congestion control		C) Checksum	
Piggy backing		A) Cyclic redundancy check	
		ooked on to the next outgoing data fi	
ing acknowledgements so that they can be	iogtuo gai	he technique of temporarily delay	T .č
(A) Transport toldness (A)	(d)	4.208 (C	))
5.208		2.208 (A	
2 000	(4)	EEE standard for token bus is	
(C) Bookly on the		2) realize (% are (%)	ци
			.)
Lisusbort layer		Data link layer	
Metwork layer		A) Physical layer	
	rog to seu	Which layer of ISO/OSI model make	γ.ε
4 bytes	(D)	C) 5 bytes	)
n y bytes	(B)	A) 6 bytes	7).
		What is the size of Ethernet address in	
ACT primaries transfer	OU LIGHT	nd the other Dates - Localing D. with the	
10 base 100 mm reserved livi	(a)	C) 100 pase 10	) was
10 base 100 it refler to base 100 it		A) 10 base 10 Indianal who	
	M 001 10 a	Which of the following has a data rat	7 I
suonse	T ALL Qu	Answe	
		A-TAA4	
munut (SALASY)	-1 ~ 00)	A TGAG	
15 Los remails replaintaign barrestor		in thick foremal venilly pages as	
Max. Marks: 100		ree Hours	Time: Th
r booklet.		Part - B and Part - C should be answere	(ii)
		over to hall invigilator at the end of 45th	(-)
first 45 minutes and OMR sheet should be hande	nithiw teet	Part - A should be answered in OMR s	(i)
[ (0.202 (2.202 01.0202 02.02 )mg/ gtt		Cur um manusum cammunium aus (a.t.)	Note:
nic year 2015 – 2016 to 2017-2018)			
OMMUNICATION	O ARTUQ	15EC4051 - COM	
	to 7th Seme	•	
ON' NOVEMBER 2018	ITANIM	B.Tech. DEGREE EXA	
		1017 ·9037	

b. What is congestion control? Explain the various techniques adapted in open loop congestion control mechanism.

32. a. Differentiate between

(i) FTP and TFTP

TTH bas TAMS (ii)

(OR)

p. Explain briefly the various compression techniques.

24. List the different connecting devices up the tricle of iny or the operate

Commission in two property of construction of reference for the following construction.

Stark And Stiff property of the control was 1965 that the Store and the Tablesian was

Page 4 of 4

(D) Physical layer

Page I of 4

(C) Network interface control sublayer

# Answer ANY FIVE Questions $PART - B (5 \times 4 = 20 Marks)$

- explain CSMA/CA. 21. What are the reasons for not implementing CSMA/CD in wireless LAN? With a diagram,
- 22. Explain bit stuffing in HDLC.
- 23. Compare DVR and LSR.
- 24. List the different connecting devices on the basis of layers they operate.
- $G(x) = x^5 + x^4 + x^2 + 1$ . 25. Find CRC for a frame of message bits 1010001101, if the generator polynomial
- 26. Discuss the functions and format of UDP header.
- 27. Explain UDL.

## Answer ALL Questions $PART - C(5 \times 12 = 60 Marks)$

28. a. Brief out the functionalities of network support layers of OSI reference model.

- b.i. Give the syntax and semantics of IEEE 802.3 MAC frame format.
- Explain FDDI token ring network.
- 29. a. With neat diagram, explain the various frame formats supported by HDLC.

### (90)

- analyze the three cases of error control mechanisms in Go-Back-N protocol. b. What is a sliding window protocol? Explain how the size of the window is decided and
- these address to two groups of customer as per the following requirement: 30.a.i. An ISP granted a block of addressing with 190.100.0.0/16. Show how the ISP distribute
- (1) First group has 64 customers each with 256 addresses
- (2) Second group has 128 customers each with 128 addresses
- ii. Identify the major problems for IPV4 and discuss how they are addressed in IPV6.

- suitable networking diagram. problem is encountered in deciding whether a host has become unreachable? Explain with a b. Give an overview of the distance vector method of updating routing table information. What
- 31. a. Describe TCP connection establishment using three way handshake.

(OR)

dis (d) (C) HLWI TTH (B) WWW adT (A) is a repository of information linked together from points all over the world. s'ATM to risq owt bas s'AU owT (d) (C) Two UA's and one pair of MTA's s'AU owT (a) ATM and (A) 19. When the sender and the receiver of an email are on different systems, we need only ¿'AAU (d) ¿'AAM (D) s'AU (A) g'ATM (B) 18. The actual mail transfer is done through (D) An HDLC frame (C) An IP datagram (B) An TCP segment (A) An Ethernet frame 17. UDP packets are encapsulated in (D) Socket address (C) Logical address (B) Physical address (A) Transport address 16. The combination of an IP address and a port number is called (D) Either (A) or (B) (S) Both (A) and (B) (A) Connection-oriented (B) Connectionless protocol. 15. TCP is a (D) Selective repeat (C) Fixed size (B) Sliding (A) Limited size window protocol. 14. To accomplish flow control, TCP uses a (D) Declines proportionally with the load (C) Declines sharply (B) Increases proportionally with the load (A) Increases sharply 13. In a network, after the load reaches the capacity, throughput (D) Least cost routing (C) Path vector (B) Link state (A) Distance vector routing. 12. The routing information protocol (RIP) is an intra domain routing based on (D) Must be a power of 2 (C) Must be a multiple of 16 (B) Must be a multiple of 256 (A) Can be any number 11. The number of addresses assigned to an organization in classless addressing is (D) C (C) D A (A)(B) B 10. Identify the class of the following IPV6 address: 229.1.2.3

(D) 40 bytes

(B) 25 bytes

(C) 30 bytes

9. The header length of an IPV6 datagram is

(A) 10 bytes

Page 2 of 4