TED (15)) 6131
(Revision	n - 2015)

(b) Briefly explain Virtual LAN.

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DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE, APRIL – 2020

	COMPUTER NETWORKS	
[M	Maximum Marks: 75] [Time: 2.	.15 Hours
	PART-A (Answer <i>any three</i> questions in one or two sentences. Each question carries 2 mark	ks)
I.	1. If we want to connect two or more different networks, which addressing you will pref	fer?
	2. Define DHCP.	
	3. Define Pushing.	
	4. Name the components of URL.	
	5. Define Proxy server. (3	$3 \times 2 = 6$
	PART-B (Answer any <i>four</i> of the following questions. Each question carries 6 marks)	
II	1. Explain any two LAN connecting devices.	
	2. Explain any two mechanisms that alleviate congestion after it happens.	
	3. List & explain any two TCP services.	
	4. Explain Dynamic DNS.	
	5. Explain IEEE standards for wired LAN.	
	6. Explain the Stop-and-Wait protocol.	
	7. Explain Hyper Text Transfer Protocol. (4)	$4 \times 6 = 24$
	PART-C (Answer any of the three units from the following. Each full question carries 15 ma	nrks)
	UNIT – I	
III	I (a) Explain TCP/IP protocol suite with a neat diagram.	(9)
	(b) Explain any two network topologies.	(6)
	OR	
IV	(a) Explain the architecture of wireless LAN.	(9)

UNIT – II

V	(a) Explain IP V4 datagram format.	(9)
	(b) Distinguish between unicasting and multicasting.	(6)
	OR	
VI	(a) Explain Distance Vector routing algorithm.	(8)
	(b) Explain class full addressing.	(7)
	UNIT- III	
VII	(a) With a neat diagram explain TCP segment format.	(9)
	(b) Explain the connection establishment in TCP.	(6)
	OR	
VII	I (a) Explain the User Datagram format.	(8)
	(b) Explain the Go-Back-N protocol with a neat diagram.	(7)
	UNIT - IV	
IX	(a) Explain the E-MAIL architecture.	(9)
	(b) Explain Simple Mail Transfer Protocol.	(6)
	OR	
X	(a) With a neat diagram explain the architecture of WWW.	(9)
	(b) Explain File Transfer Protocol.	(6)
