				[Reg No									
					Neg. 110.									
			Question Paper Code 12704											
	B.E. / B.Tech., - DEGREE EXAMINATIONS, APRIL / MAY 2024													
	Sixth Semester													
	Electronics and Instrumentation Engineering													
	20ESCS601 - COMPUTER NETWORKS													
	Regulations - 2020													
Du	Duration: 3 Hours Max. Marks: 100													
PART - A (10 × 2 = 20 Marks) Answer ALL Questions									Marks ^{K–} CO Level CO					
1.	Name the factors that affect the performance of the network.								2	K1	CO	1		
2.	Def	fine Bandwidth a	nd Latency.								2	K1	CO	1
3.	Stat	te the functions o	f LLC.								2	K1	CO	2
4.	Def	fine Ethernet.									2	K1	CO	2
5.	Stat	te the functions o	f router.								2	K2	CO	3
6.	Def	fine Routing Area	a. State its importation	nce.							2	K1	CO	3
7.	Hov	w the errors are d	etected in IP?	_	~ ~						2	K1	CO	4
8.	Exp	plain additive inc	rease/multiplicativ	e decrea	ase in TCP.						2	K2	CO	4
9.	Giv	the format of F	TTP request mess	age.							2	K1	CO	5
10. Write the function of SMTP.									2	K2	CO	5		
PART - B $(5 \times 13 = 65 \text{ Marks})$														
11.	a)	Explain in detai	Answer A l about the compor	LL Que	ed in data c	comm	uni	cati	ion.		13	K2	CO	1
OR														
	b)	Explain in det disadvantages.	ail about network	c topol	ogies with	their	r a	dva	intag	ges,	13	K2	CO	1
12.	a)	Describe in de offered.	tail about Link L	ayer A	ddressing	and I) DL	C s	ervi	ces	13	K2	CO	2
OR														
	b)	Explain in detai	l about Stop and W	/ait Pro	tocol.						13	K2	CO	2
13.	a)	Explain Distanc	e Vector Routing v	with exa	ample.						13	K2	CO	3
	OR													
	b)	Illustrate in deprocess and add	tail about IPv6 list ress notation.	ting the	packet for	mat, i	frag	gme	entat	ion	13	K2	CO	3
Kl	K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create 12704													

14.	a)	Explain in detail about SCTP.		13	K2	<i>CO</i> 4
15.	b)	Explain in detail about TCP.	OR		K2	<i>CO4</i>
	a)	Explain DNS in detail.		13	K2	CO5
	b)	Explain about HTTP.	UK	13	K2	CO5

PART - C (1 × 15 = 15 Marks)

16. a) Discuss briefly various layers, functions of OSI Model with neat ¹⁵ K2 CO2 diagrams.

OR

b) Tabulate the shortest path between all nodes for the following network ¹⁵ K2 CO3 using DVR.

