15/05/2025 SE IT SEM-IV C-SCHEME CNND QP CODE: 10080737

Time: (3 Hours)	agt. S		Total Marks: 80
			30
N.B.: (1) Question No.1 is compulsory.	1 2 CO	45	1 3 T
(2) Attempt any three questions		ing five quest	tions.
(3) Make suitable assumptions w			
Q.1. Solve any four	- 47°	30 C	
a. Compare Twisted pair cable, Coa	ixial cable and Fil	her ontics cahl	e. 05 M
b. Explain Ethernet Protocol.	ixiai caoic ana i i	ser opties east	05 M
c. Explain Repeater, Hub, Bridge, S	Switch, and Gatew	vay.	05 M
d. Compare lossy with lossless data			05 M
e. How many networks and hosts ar			ddressing? 05 M
What is subnet mask	B. A.	A 5	
	(2) (1)	80	
Q.2.		, 59	20
a. Draw and Explain OSI reference i			
b. Explain the difference between sta	atic and dynamic	routing. Expla	
routing			10M
Q3. 45 ^N AT	AT S		
a) Explain in Detail TCP Header wi	th Diagram.		10 M
b) Explain Classful and Classless IP			10 M
A SO AS AS			
Q4.	. 3	35	8
a) Generate the CRC code for a data		. The divisor 1	0101. Check whether
there are errors in the received code		TD - 1.1	3- 201 20 21 65
b) Explain the different classes of IP then find out the following parts:i)			
Last IP of the network v) First and			10M
East if of the network v) I list the	Lust Host ID III a	inctwork.	10111
Q5.27			
a) Explain in detail Go-Back -N Pro			10M
b) Explain in Detail CSMA Protoco	T. S		10M
Q6. Write a short note on.(Any Four)			
Qo. Write a short note on (Arry Pour)			
a) FTP			
b) VPN			
c) RPC			
d) Image Compression			
at at a			
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