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Internal Assessment Test 1 – March. 2019

Sub:	Computer Communication Networks					Sub Code:	15EC64	Branch	TCE
Date:	/03/2019	Duration:	90 min's	Max Marks:	50	Sem / Sec:	A		OBE

Answer any five question from each part

		MARKS	CO	RBT
1	(a) Explain the major components of data communication with a neat diagram. (b) Explain network topologies also mention merits and demerits.	[5+5]	CO1	L2
2	Explain protocol layering with the principles. With a neat diagram explain the TCP/IP protocol model with respect to layers protocols.	[10]	CO1	L2
3	Compare TCP/IP and OSI reference model and also explain different addressing schemes.	[10]	CO1	L2
4	What is Address Resolution Protocol (ARP)? Explain ARP packet format and caching with neat diagrams.	[2+4+4]	CO1	L1
5	(a)What is link layer addressing? Explain with an example. (b)Explain the services of data link layer.	[3+7]	CO1	L2
6	What is switching? Explain circuit and packet switching with neat diagrams.	[10]	CO1	L1
7	Explain stop and wait protocol with neat figures.	[10]	CO1	L1

Course Instructor **Chief Course Instructor**

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SCHEME FOR INTERNAL ASSESSMENT TEST-1

MARCH, 2019

Sub: Computer Communication Networks **Sub Code: 15EC64**

Q1 a) Explanation of the major components of data communication:-3 Marks
Diagram -2 Marks

Q1 b) Explanation of network topologies -4 Marks
Merits and demerits -1 Marks

Q2. Explain protocol layering with the principles. -2 Marks
Figure -1 Marks

Explanation of TCP/IP protocol model -5 Marks
Figure -2 Marks

Q3. Comparison of TCP/IP and OSI reference model
Comparison – 6 Marks
Explanation of different addressing schemes -4 Marks

Q4. Address Resolution Protocol (ARP) explanation – 2 Mark
ARP packet format – 4 Marks
Figure-4 Marks

Q5. Explanation of link layer addressing with example –3 Marks
The services of data link layer-7 marks

Q6. Explanation of switching –2 Marks
Circuit and packet switching explanation – 6
Diagrams-2 Marks

Q7. Explanation of stop and wait protocol –6 Marks
Diagrams-4 Marks

Course Instructor **Chief Course Instructor**