CRM08	Rev 1.10	CSE	15/11/2022
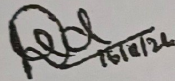
CONTINUOUS INTERNAL EVALUATION - 1
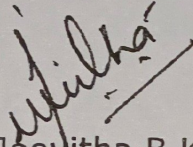
Dept:CSE	Sem / Div:5/A & B	Sub:Computer Networks and Security	S Code:18CS52
Date:21/11/22	Time: 3:00-4:30pm	Max Marks:50	Elective:N

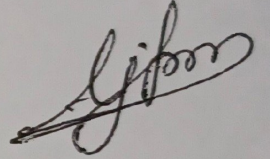Note: Answer any 2 full questions, choosing one full question from each part.

QN		Questions	Marks	RBT	CO's
		PART A			
1	a	Explain HTTP request and response message format.	10	L2	CO1
	b	Explain SMTP with example	10	L2	CO1
	c	Explain the steps involved in transferring a web page from server to client in case of HTTP with non - persistent connection. Also brief the Back of the Envelope calculation for time needed to request and receive the file.	5	L3	CO1
2	a	Describe in detail the services offered by DNS and explain DNS message format.	10	L2	CO1
	b	Explain Cookies and Web Caching with diagram	10	L2	CO1
	c	Define Socket. Demonstrate the working of TCP socket	5	L3	CO1
		PART B			
3	a	With a neat diagram, explain the TCP segment structure	10	L2	CO2
	b	Explain the concept of transport layer multiplexing and De-Multiplexing.	10	L2	CO2

	c	Explain the Stop and Wait protocol with FSM representation rdt 2.1	5	L2	CO2
		OR			
4	a	Describe TCP connection management with help of diagram.	10	L2	CO2
	b	Explain the operations of selective repeat protocol	10	L2	CO2
	c	Explain with neat diagram, the causes and costs of congestion considering the following scenarios. Scenario I : Two sender , A Router , with infinite Buffer. Scenario 2 : Two sender, A Router, with Finite Buffer.	5	L2	CO2

Prepared by: Radhika Shetty D S /Dr.Jeewitha B K   · HOD