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ACHARYA INSTITUTE OF TECHNOLOGY
BENGALURU 560107

INTERNAL ASSESMENT - I   [Academic Year: 2020-21]

Sub with Code: COMPUTER NETWORKS (18CS52)   **Semester/Section: 5th A, B**
Max Marks : 50   **Time: 90 min**
Note: Answer all the questions

1.	**a.**	Demonstrate socket implementation using TCP.	**10M**	**(CO2)**
		(OR)		
2.	**a.**	Demonstrate socket implementation using UDP.	**10M**	
3	**a.**	Although caching can reduce user-perceived response times, it introduces a new problem-the copy of an object residing in the cache may be stale. Illustrate how this is handled by HTTP.	**10M**	**(CO3)**
		(OR)		
4	**a.**	Consider an e-commerce site that wants to keep a purchase record for each of its customers. Illustrate how this can be done with cookies.	**10M**	
5	**a.**	Explain how files are distributed in peer to peer application.	**10M**	**CO1**
		(OR)		
6	**a.**	Describe HTTP request and response message format.	**10M**	
7		a. Illustrate what happens when a browser running on a host requests the URL www.vtu.ac.in, Summarize the steps through which the IP address for such a host name is obtained by the client. b. Explain the Go Back N protocol working in detail with action diagram	**3M** **7M**	**(CO3)**
		(OR)		**(CO1)**
8	**a.**	a. If you want to register a domain name for your startup company, identify the steps required, so that people will be able to visit your website. b. Illustrate working of selective Repeat in detail with action diagram	**3M** **7M**	
9	**a.**	Interpret rdt 2.0 protocol	**10M**	**(CO1)**
		(OR)		
10	**a.**	Interpret rdt 3.0 protocol	**10M**	

CO1: Illustrate the protocols in various TCP/IP layers like Application, transport and network, wireless and mobile networks.
CO2: Apply the building skills of socket prog , sub netting, routing mechanisms and congestion control techniques.
CO3: Apply   the entities involved with the day to day running of internet for sample applications.

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Signature	Course-Coordinator	Module-Coordinator	Test-Coordinator	HOD