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DAYANANDA SAGAR COLLEGE OF ENGINEERING

(An Autonomous Institute Affiliated to VTU, Belagavi)

ShavigeMalleshwara Hills, Kumaraswamy Layout, Bengaluru-560078

Department of Telecommunication Engineering

Internal Assessment Test - 1

Course:Computer Communication Networks

Course Code: **17TEDCCCN**

Semester:VII

Maximum marks: **50**

Duration: **90 Min**

Note: Maximum of 4 sub questions are allowed.		Marks
1 a)	Directory services uses ----- -- layer protocol a) Application Layer b)Data Link Layer c)Transport Layer d) None of the above	1
b)	Transport layer protocol is ----- a)TCP b)UDP c)SCTP d)All of theses	1
c)	The no of bits logical address is ----- a)16 bits b)32 bits c)255 bits d)65535 bits	
d)	The noiseless channel protocol is a) stop and wait b) GO-BACK N c)Stop and wait ARQ d)PIGGY BACK	1
e)	-----protocol is connectionless protocol a)UDP b)RARP c)TCP d)IP	1
f)	Error detection is performed at the _____ layer of the OSI model? a)Data Link b)Transport c) Network d) Both a and b	1
g)	The Protocol which maps physical address to logical address is ----- ----	1

	a)ARP b)RARP c)Telnet c)HTTP	
h)	_____ allows you to connect and login to a remote computer a)http b)rlogin c)Telnet d)SMTP	1
i)	The following protocol is not noisy channel protocol a)GO BACK N b)PIGGY BACK c)stop and wait d)Stop and Wait ARQ	1
j)	Error control in the Data link alyer based on ----- a)Transmission Time b)ARQ b)Frame Size d)Ip address	1
2)	Discuss the roles and responsibilities of Transport layer,Physical Layer and Data Link layer	10
3)	Design and Analyze GO BACK N ARQ protocol	10
4 (a)	Explain TCP/IP protocol suite	10
	(OR)	
	Discuss the addressing in the computer networks	10
5(a)	Design and Implementation of stop and wait ARQ protocol	10
	(OR)	
(b)	Discuss the HDLC protocol frame format in detail	10
