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Dayananda Sagar College of Engineering Department of Electronics & Communication Engineering

Continuous Internal Evaluation – III

Course Name : Computer C	***	
Course Name: Computer Communication Networks Course Code: 19EC6DCCCN	Date:	07/07/2022
Semester : VI	Day:	Thursday
	Timings:	1:00PM-2:30PM
Max Marks: 50 M	Duration:	1½ Hrs.

		Duration: 177 Ind.					
No.		Question Description	Mks	CO & Levels			
Q١	(a)	Header size of the UDP datagram is	1				
		(i) 8 bytes (ii) 8 bits (iii) 16 bytes (iv) 16 bits In TCP, if the HLEN field is 8, then the length of the Header is (i) 20 bytes (ii) 60 bytes (iii) 8 bytes (iv) 32 bytes	'				
	(b)		1				
		(i) 20 bytes (ii) 60 bytes (iii) 8 bytes (iv) 32 bytes	•				
	(c)	(i) 20 bytes (ii) 60 bytes (iii) 8 bytes (iv) 32 bytes In the domain name - dsce.ece.ccn.edu, is the most specific label.	1				
		(i) dsce (ii) edu (iii) ece (iv) ccn	ļ .				
	(d)	In the process of fetching a web page from a server the HTTP request/response takes	١.				
		RTTs.	1				
		RTTs. (ii) 3 (iii) 4 (iv) 1		-			
	(e)	is the variation in delay for packets belonging to the same now.	1				
		(11) ICHability (11) Topagament acting					
	(f)	Which of the following is an application layer service? (i) Network virtual terminal (ii) File transfer, access, and management	1				
		(i) Network virtual terminal (ii) File transfer, access, and management	•				
		(iii) Mail service (iv) All of the mentioned					
	(g)	(ii) Network virtual terminal (iii) Mail service (iv) All of the mentioned SNMP is the framework for managing devices in an internet using the (iv) None of these	1				
		(i) TCP/IP protocol (ii) UDP (iii) SMTP (iv) Items is called a					
	(h)	SNMP is the framework for managing devices in an internet using the (i) TCP/IP protocol (ii) UDP (iii) SMTP (iv) None of these In TCP, one end can stop sending data while still receiving data. This is called a	1				
		(i) half-close (ii) half-open (iii) one-way termination (iv) Notic of these Data transfer mode of FTP, in which all the fragmenting has to be done by TCP is					
	(i)	Data transfer mode of FTP, in which all the fragmenting has to	1				
		(i) Message mode (ii) Compressed mode (iii) Stream mode (iv) Block mode					
		(i) Message mode (ii) Compressed mode (iii) on well-known port 80.	1				
	(j)	(i) Message mode (ii) Compressed meet (iii) Message mode (iii) Compressed meet (iiii) TCP (iv) none of these (iv) LIDP (iv) III (iv) I					
	0,	(i) UDP (ii) IP (iii) TCP (iv) hone of the three phases of congestion control mechanism used in TCP with	10	CO5/L3			
Q2		Elaborate in detail the three phases of congestion					
Q2		necessary diagrams.	10	C06/L3			
Q3		necessary diagrams. With the necessary diagrams elaborate the different scenarios that can be used to describe					
Ų		the architecture of e-mail.	10	CO5/L3			
		Discuss the different techniques used to improve the Quality of Service OR	10				
Q4		Discuss the different techniques and the OR					
<u> </u>		OR Outline the difference between recursion resolution from iterative resolution with neat	10	CO6/L4			
05		Outline the difference between results.					
Q5			10	CO6/L3			
		functions of a network management system.					
06		Discuss in details the functions of a network management system. OR	5	CO5/L4			
Q6		Literan	5	CO5/L3			
07	(a)	Give the details of UDP user datagram. Describe briefly the Control field of TCP segment.					
Q7	(b)	Describe briefly the Control field of 2					
	(0)						

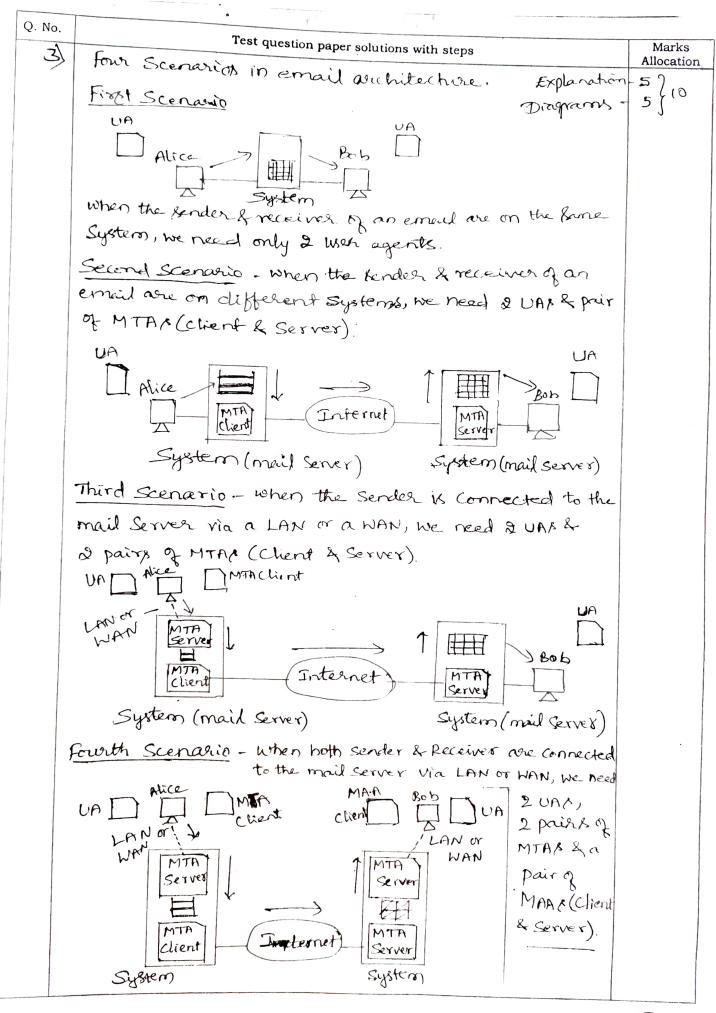


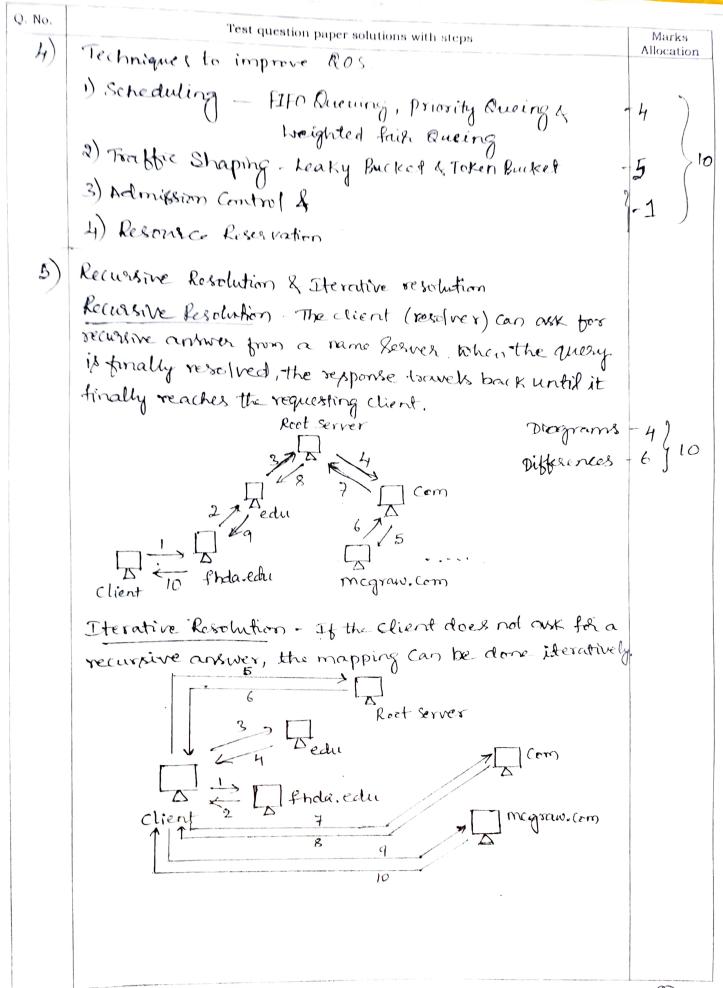
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Max Marks: 50 M. Date of test: 11 07 るの名 Title of the subject Sub Mentor: Prof. Trupti S Tagore
Sub Mentor Sign: Computer Communication Networks Day: Monday Branch: ECE Sub initials: CCN Staff i/c of sec : CSN, SR, SAS Sub Code: 19EC6DCCCN Semester: Staffs i/c sign: Internal Test Section: A.B.C.D HOD Name: Dr. TCM III Timings: 9.00-3.30 PM

Test Duration: 1½ Hrs.	Test Solutions	HOD's sign:	
	est question paper solutions with steps		Marks Allocation
1) a) i) 8 bytes			1×10=10
b) iv) 32 bytes			
c) i) dsce			
d) iv) 1			
e) iv) Jitter	inaa d		
f) iv) All of the ment			
q) i) TCP/IP protoco	v(
h) i) Half close			
i) iii) Stream mode	•		
j) iii) TCP			
1) Slow Start; E Start After round? After round? After round? Start After round? After round? After round? After round? After round? After round? After round? After round?	pestion conduct mechanice exponential Increase. I -> Chind=1 -> Chind=2'=2 -> Chind=2'=4 -> Chind=2'=8 idance: Additive increase at -> Chind=1 -> Chind=1+1=2 -> Chind=2+1=3 -> Chind=2+1=3 -> Chind=3+1=4 efection: Multiplicative I is by Time out, a new slow is by 3 Ackys, a new congestive Starts.	Explanation. Diagrams.	





Q. No.	Test question paper solutions with steps	Marks Allocation,
6)	functions of a Network management system. with expand	in
	1) Configuration management - Reconfiguration, pocumentation	2
	2) Fault magaragement - Reactive, Productive	2
	3) Performence management - Capacity, Traffic, Throughput,	4 > 10
	Response time.	ta \
	4) Security Management 5) ACC Transport Management	
	5) Accounting Management	
7)a)	UDP user Datogram Explanation	-37-
	Header Dorta Explanation Diagram	-253
	Source port number Destination portnumber	
	Total Length Check Sum	
	16 bits 16 bits	
<i>P</i> /	Control field of TCP Segment.	
	field	-2-1
	URG ACK PSH RST SYN FIN James	5
	Expland	10 -5)
	URG-Vogent pointer is valid ACK-ACKnowledgement ix valid	
	PSH - Request for push	
	RST - Reset the Connection	
	Syr - Synchronize Sequence numbers	
	FIN. Terminate the Connection.	
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