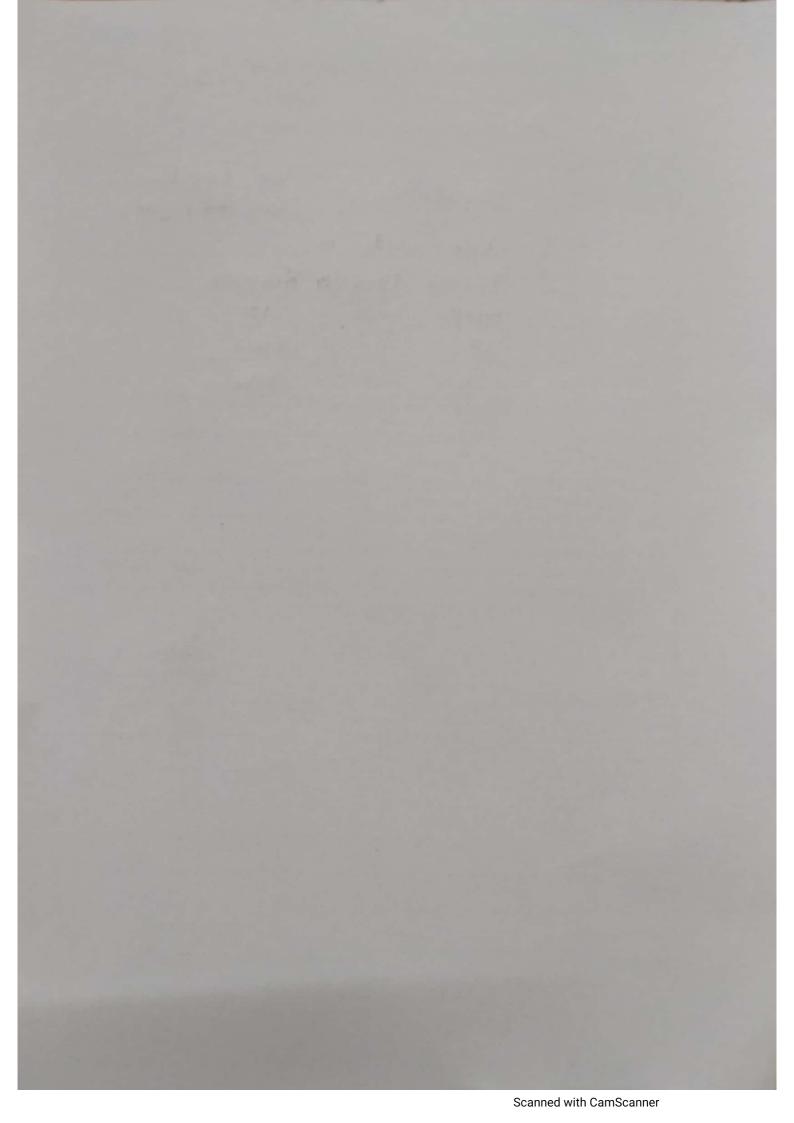
<Annexure II> SRI KRISHNA COLLEGE OF TECHNOLOGY

An Autonomous Institution, (Approved by AICTE and affiliated to Anna University) **Kovaipudur, Coimbatore – 641042.**

2021-2022 Odd Semester CIA Examinations										
(To be filled by the Student)										
Register Number		1997	107038		Degr & Bran	ee S	B.E. Cience	Conf	Engin	erma
Name of the Stud	ent:	9								0
Subject Code & N	lame	1908 504 Computer Networks								
Date	10/8/21		Ses	Session: FN/AN		FM				
Semester	₽ _q γ CIA		X1/11/1	11	CIA 1					
					In Words:					
All the particulars given above by me are verified and found to be correct										
I acknowledge that I have read the rules and regulations of online Examination and assure the following										
 Verified all the pages and the contents are handwritten by me including diagrams/equations if any. Verified that all the pages are arranged in order as per page number and the required details are filled and signed by me in each page. The content of the soft copy that I have uploaded for this subject is the scanned version of my answer script. Also I have verified that all the images in the soft copy are legible. I shall be solely responsible for any discrepancies found in future and will accept the decision taken by the committee later. 										
Signature of the Student										
(For Office Use Only)										
Part A - Q. No	1	2	3	4	5	6	7	8	9	SubTotal
Marks Scored			- 1							
Part B - Q. No	10	11	-	-	-	-	-	-	-	Sub Total

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Part A - C	Q. No	1	2	3	4	5	6	7	8	9	SubTotal	
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	(ii)				-	-	-	-		-		
	(iii)			-		-	-	-	-	-		
Total in V	Vords									Total		
Name of the Examiner:						Sig	Signature of the Examiner with date:					



Part - A

2. The suitable transport layer protocal will be Transmission Control Protocol (TCP). TCP is a transport protocol that is used on top of IP to ensure reliable transmission of packets

3.

TCPIIP	OSI
1.) TUPITO has four	1.) OSI has 7 layers
layers 2. It has horizontal approach	2. 2t has vertical approach
3. Protocals are not strictly oblined	3. Protocols are strictly objined

Date: 10 9 21

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Jetu

RTT (round trip time) is the time between packet send it's Ack is received. RTO (Altransmissionatine out) is the time set for Ack of particular packet to be received timeout = estimated RTT + 4* Dev RTT.

节、 Interface Cartral Cantral Carmedian Control process process TOPITP Data transfer Pald transfer procen Data connection process Server Cliet 6. Type-A type = CN AME name is bostrame - name is alian name for some real name - Value in I Paddron - veiler is convenical name tipe=NS type = MX - Nume is domain - Value is have of SMTP mail - value is hostname somer associated with vome authorative name somer Signature of the Student: Date: 10 1 21 Page No:

Mail Access Agent (MAA) protocols like pop3/IMAD are used for retrieving incoming mails from the local mail servers.

8.

Circuit Saideling

Packet Jaitching

- 1. In Grant switching, data is processed at source system anly
- 2. Delay botusen desta units in circuit switching is uni form
- 1. In packet suitching, data is processed at all intermediate noch including source system
- 2. Delay between data units in packet switching is not uniform.

9. There phases:

- 1. Circuit establishment
- 2. Data transfer
- 3. Circuit disconned

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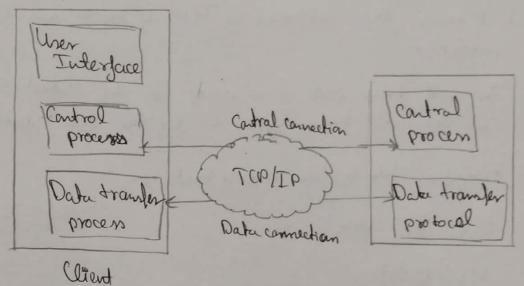
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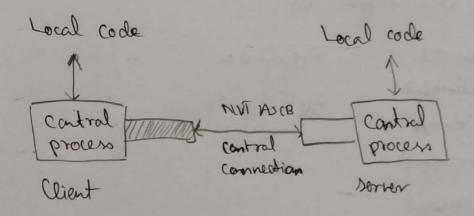
Past B

10 a) The suitable protocal to transfer files from local branch effice to main brouch affice is File transfer protact.

OTA (1



ii) Using the control connection



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Using the data carnection File type, data Anachen and transmission mode work digned by the clisat Local data Structure Data transfer procen Oata' Somer connection

- F-TP was the services of TCP. It needs too TCP Cannections
- The well-known port 21 is used for the control commedian and the well-known port so for the data connection
- transfer file to/ from remote host
 - Itp: RFC969
 - ftp: port 21

10 p:

The Osi layers are:

- Physical - Presentation
- Data link - Application
 - Netwood
 - Transport
 - Serian

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SMTP is an application layer protocal. The dient who wants to read the wail open a TCP connection to the SMAD serior and the sads the mail across the connection SMAD bugger.

There are 2 types:

1. End-to-end method

2. Store-and-forward method

The and to and would is used to communicate between different organizations whereas the store and forward method is used within organization. The SMAP sorver will keep the the wail to itself until it is successfully copied It to the receiver's smore.

Model of SMAP System:

In the the SMTP would were deals with the wer agent. , for example In order to exchange the mail cusing TCP MTH wred.

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Adin

116:

Switches are the convectivity points of a othernel nature. There are different types of switches in a network

- Unmanaged Switches:

There are the switches that are mostly used in home retreats and small businesses as they plug in and southest isostatly start doing their Job and such switches do not need to be watched or consigned. These require only small cable convections

- Managed Suitches:

Then type of smitches have many Jeatures like the highest levels of security, precision control and full management of the network. There are usually used in argumisations containing a loss large network and a can be austonized to enhance the Junctionality of a certain network.

There are 2 types:

o a) Smart Jaitches:

These switches offer basic management features with the ability to create some levels of security

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but have a simpler management interface than the other managed suitches.

b) Enterprise managed switches:

They have Jeahnes like ability to fix, copy dransform, and dopplay different network consigurations, along with a web interface Snimp agent and command line interface.

- LANI Suitches

These are also known as Ethernet switches or data switches and are used to recluce network congestion

- POE Switches

POF switches are used to in POE tech which stands for forcer power over Ethornet that is a technology that intergrates dade and power on the same cable allowing power devices to receive and data in parallel power

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