Date 09/02/52
Page 18

## UTORIAL - 5

111905012

1> Answer the following questions:

- a.) Give the explaination of each Figure. {1-64
- b. Mention the application scenerio where each one is applicable

Persistent Asynchronous

A send message
and continued

Time

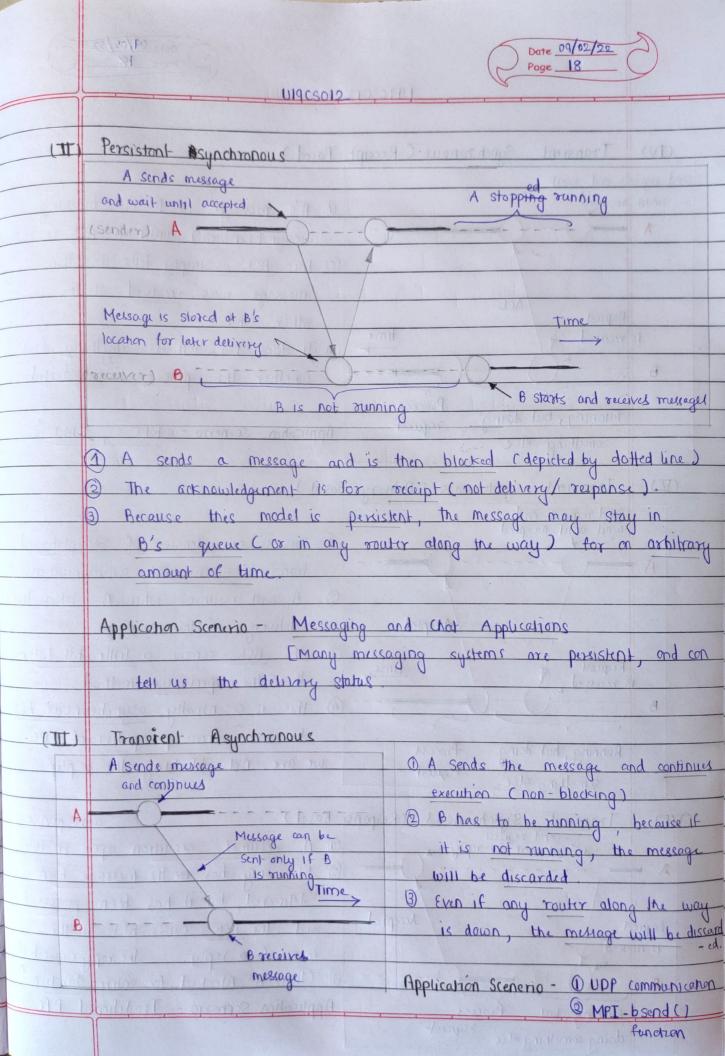
B is not running

B starts and receives masages

A -> sender, B -> receiver Dark line -> Execution

- 1) A sends a message and keeps executing without blocking.
- 2) The message sent from A will take arbitrary amount of time to reach B.
- 3) A may or may not be surring by the time message reaches
- at B's side.
- (5) There is a guarantee that message will eventually reach B
- @ Finally, B received the request and processes it

Application Scenerio - Emails can take arbitrary amount of time
to reach, and when receiver reads the small,
the sender might not even be running.



		UI9CSO12	
	(V)	Transient Sunchronous (Receipt	Bared ) was about 1 min and 1 min
		I and wait	NAME OF THE PARTY
	The second secon	received	( A's message to B is blocking
	A		csynchronous) until on ACK is received
		4	(2) this ACK simply tells us the
			message was received at the
		Request	other end
	Ìs	received time	3 It does not tell us anything about
	В		whether the process has started
J. Records	m Ei	Process	
		running, but doing request	Application Scenerio - RPC's RMI's
100	1 6-1	Something else	and a share A D
(7	Z)	Transient synchronous ( Delivery	Based ) was a superior of the same of the
	1.11	send request and wait until accepted	of laboral and amount the
Herry I	0	wait until acepted	1 This is an extension of recoipt based
V	A	<u> </u>	transient synchronous communication.
		1	a A will resume when B takes the
		Accepted	
no l	6.	Request	(2) The Och
		5 received time	than the previous method.
	В		a) This is escentially asynchronous RPC
		Rupaina but days	because from pexpetry of RPC
Sundy	a h	Running, but doing Process	we are not blocking the reply.
		sundthing else request	Lawridge Char
(VI		Transient Synchronous (Response	( Basel) a response
1000	0.07	send request-	a A relunes execution upon receiving
-	A -	- TOTAL TOTAL OF	1 Not only has to the message been
Daniel		role policies and I mile !	delivered, but it has been processed
h decen	Reque 15 To	A STATE OF THE STA	and the ACK comes back in the
		CIVED	form of a reply the reply comes book.
Adeque	В	The barrier	3 Client is Blacked for entire duration ^
116		Running, but Process	Application Scenerio - Traditional RPC
	19,20	doing cometning else ocquest	