	U19(5009
0-1	Answer the following questions.
a).	Give explanation of each figure:
6).	Mention application scenario where each one is application.
	*4
Ans =>	Persistent Asynchronous -> (A is sender), (B is seceiver).
	Dark line depicts execution. A sends a message and keeps
	executing without blocking. The message sent from A will
750000	take an arbitrary amount of time to reach (B). A may or
	may not be running by the time massage reaches B. Disk
	of multiple memory queues could be used for storage at A's
100	side. There is a guarantee that the message will eventually
4	reach (B) o. (B) sereives this request and process it then.
->	Eg -> Email can take an arbitrary amount of time to seach,
-	and when the receiver want the email, the sender might
	not even be running
	A sends mussage
A	
	A stopped running
	1 Annual de la constant de la consta
B	time >
	Bis not running B starts 4 receive message
=>	Persistent Synchronous -> (A) sends message and is than
	blocked (depicted by dotted line). The acknowledgement is
	For result (not delivery response). Because this model is
	persistent the message may stay in B's give (ox in
	any router along the way for an arbitrary amount of time

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11	Date. / /
-5	(fg) Message and Chot applications - ) many messaging
	systems are persistent and can tell us the delivery
	States.
	A sends mersage &
(A)	L'unit until accepted
· · · · · ·	A stopped running
1	
message	storod at B / Accepted
for fu	onez delivery
B	time ->
	B starts and preserve
1	B is not sunning B starts and receive mersage
=)	Transpert Asynchronous of Asends the message
<u> </u>	and continues execution (non-blocking). (B) has to be
***************************************	Dunning because of it is not running the message will
	be discarded. Even if any routes along the way is down, the
	message will be discarded.
	(Eg) UDP communication -> The function MPI-brend() is
	the implementation of this.
s. Mark	
*	A sends message and continues
	A stopped
	< message is sent only if B is running
	(B) · · · · · · · · · · · · · · · · ·
	B receives mirrage
	Transient Synchronous (Receipt-based)-s (A)'s
	message to (B) is blocking until an ack is received.
	This ack simply tells us that the message was received
	Ot the other and The day in I dill
	at the other end. It does not tells us anything about
	whether the process has started.



