

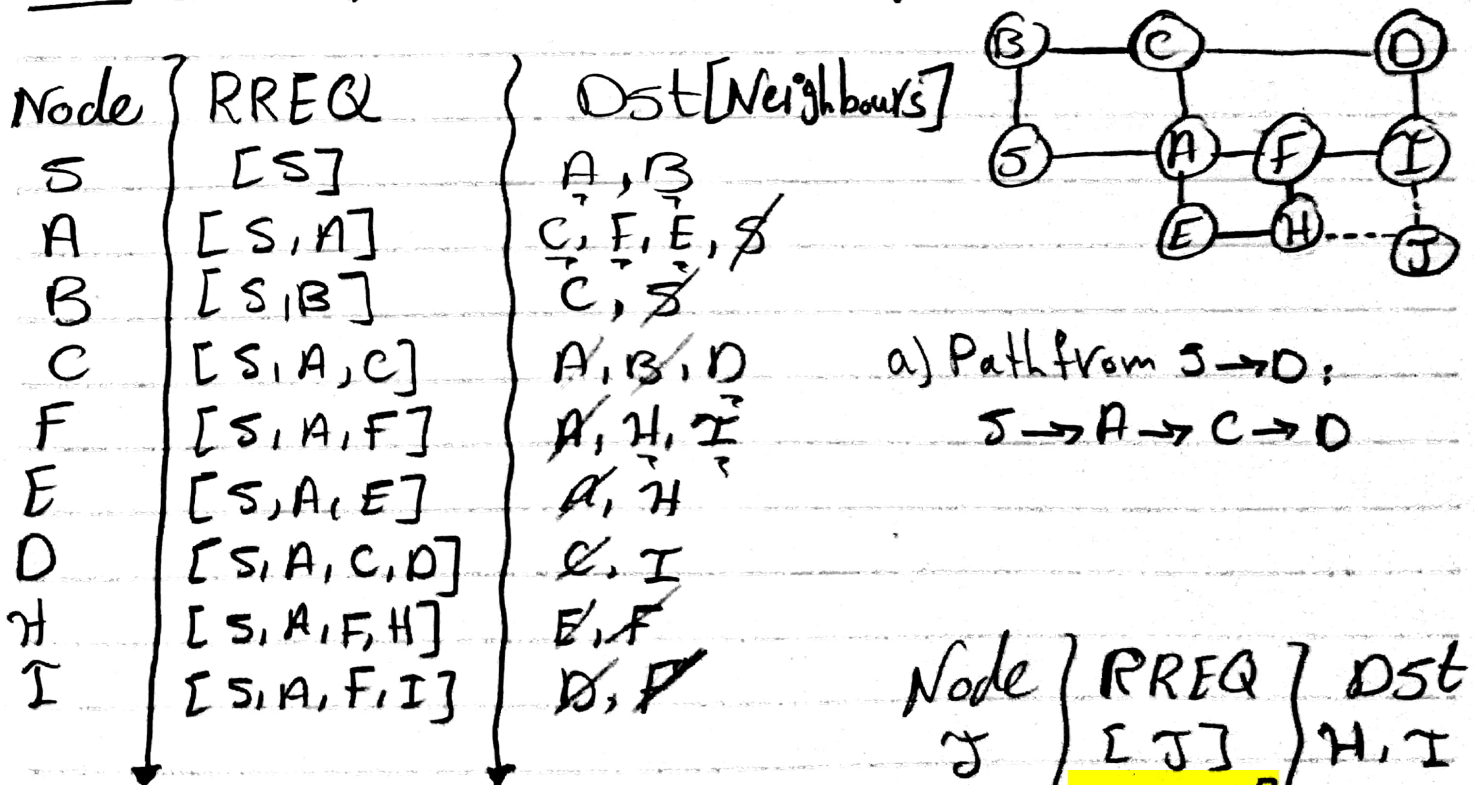
Sheet 5

Q.1 Compare:

* **Proactive Routing** → is based on Periodic exchanges that update the routing tables to all possible destinations, even if no traffic goes through
→ Better for stable networks.

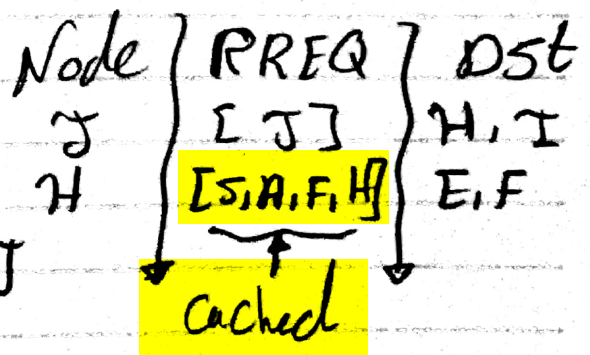
* **Reactive Routing** → is based on on-demand route discovery that update routing tables only for the destination that has traffic going through
→ Better for highly dynamic networks.

Q.2 DSR ⇒ Do Route discovery first.

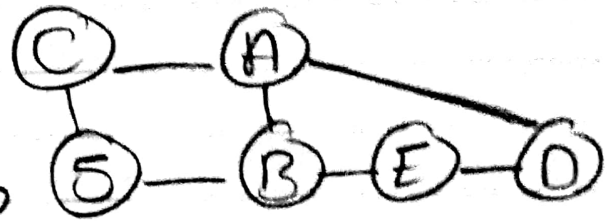


a) Path from S → D:
S → A → C → D

b) After adding J, Path from A → J
J → H → F → A



Q: 2 AODV: From S → D



* Node	[Neighbours] DST	[Goal] dst	Next Hop	Hop Count
S	B, C	S	-	0
B	A, E, S	S	S	1
C	A, S	S	S	1
A	B, C, D	S	B	2
E	B, D	S	B	2
D	A, E			

* Reverse Path/route
[RREQ Path]
* Each node, has a
table showing
Next Hop & Hop Count
for each goal
* This is a compact one

* Node	[Goal] dst	Next Hop	Hop Count
A	D	D	1
B	D	A	2
S	D	B	3

* Forward Path/route
[RREP]
* Use the reverse path.