## **Assume the following:**

Topology : Grid Topology

Traffic : FTP Queue : Drop Tail

Number of Source : 50% of node

Simulation Time: 100 Sec

At 30sec: 15% of link goes down

At 60sec: among 15% of link failure, 5% of link goes up

At 90sec: remaining 10% link goes up

## With these assumptions,

1. Simulate RIP routing protocol.

2. Simulate OSPF routing protocol.

Measure the following performance and record the results in the Tables.

## Case 1: With the above mentioned link failures

X axis: Number of station (16,25,36) (fixed packet size 512 bytes) Y Axis: PDR, PLR, routing control overhead and energy consumption

Proto	No. of Stations (With link failures)											
col	16				25				36			
	PDR	PL	Over	Energy	PDR	PLR	Over	Energy	PD	PLR	Over	Energy
		R	head				head		R		head	
RIP												
OSP												
F												

## Case 2: Without any link failures

X axis: Number of station (16,25,36) (fixed packet size 512 bytes) Y Axis: PDR, PLR, routing control overhead and energy consumption

Proto	No. of Stations (without any link failures)												
col	16				25				36				
	PDR	PL	Over	Energy	PDR	PL	Over	Energy	PDR	PLR	Over	Energy	
		R	head			R	head				head		
RIP													
OSP													
F													