## Task for Assignment 2 on NS2

Simulate the wireless network deployed in the flat grid topology of 500 by 500 m. Deploy 6 mobile nodes (N0 to N5) in the region and disable the random mobility. Simple node movements can be simulated using the standard "setdest" command. Use 802.11 MAC policy and DSDV routing protocol. Rest of the parameters can be taken as default parameters. Use new_trace format for the trace file.

Set up the traffic on the network as follows:

| Sr. No. | Connection | Application | Start-time | Stop-time |
|---------|------------|-------------|------------|-----------|
| 1 | N0-N3 | FTP (using TCP) | 10 sec | 22 sec |
| 2 | N2-N5 | FTP (using TCP) | 30 sec | 45 sec |

Simulation should end at 60 sec.

Run a awk scripting code on the trace file in order to calculate the following parameters-

1) Number of packets received by node N3 from node N0
2) Number of packets received by node N5 from node N2

Submission format of the assignment is as follows:

### DCN assignment 2

Name –
ID no. –

tcl script – Provide the tcl file.

awk script – A single AWK script to analyze the outcome.

Answer the points 1) and 2) above.