Name:_____   Major: _____

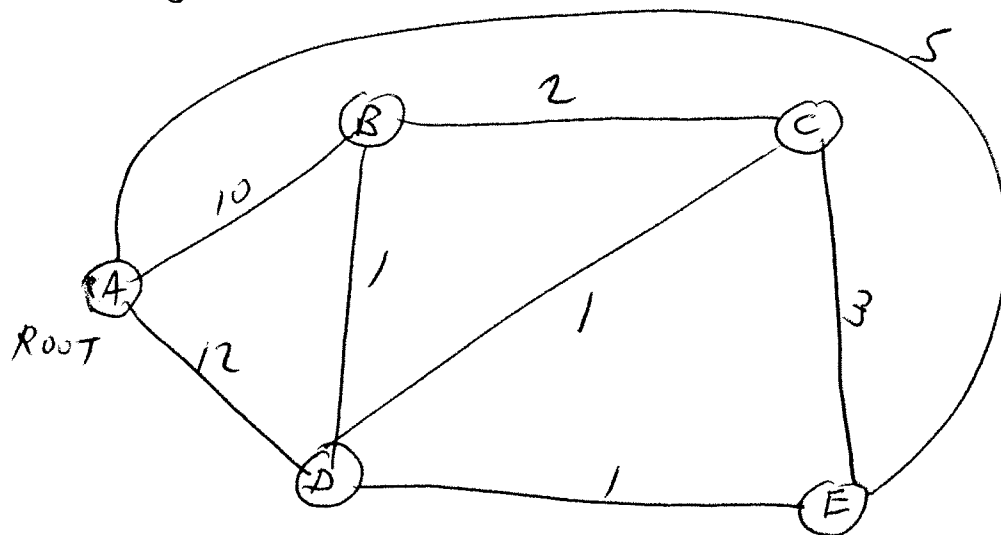Exam 2   ESE/CSE 346   Prof. Robertazzi   Spring 2013

PILE A (Hand in separately)

1. Find the shortest paths algorithm table using the Dijkstra algorithm. Node A is the root. Do not include pointers. Label the columns B,C,D and E from left to right.
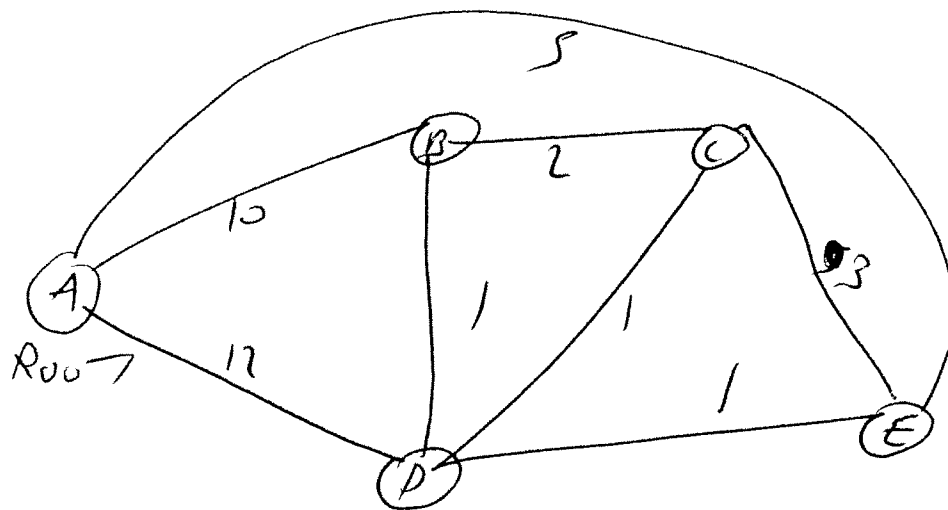
PILE B (Hand in separately)

Name: _____   Major:_____

2. What is an event on a CSMA/CD Ethernet network called when 2 or more stations attempt to transmit at the same time?

3. Match:

I)	Mesh Network Support	a) 802.15.6
II)	Relays	b)802.11s
III)	Body Sensors	c) 802.16j

A (Root), B, C, D, E

Dijkstra

N	B	C	D	E
1 {A}	10	∞	12	5
2 {AE}	10	8	6	⑤
3 {ABE}	7	7	⑥	5
4 {A,CBE}	7	⑦	6	5
5 {ABCDE}	⑦	7	6	5

2. Collision (binary expo back off acceptable)

3. Mac

I a) mac not support

I a) Relcy

I a) body senses

802/8.6
802/1,
802/16,