```
Question 1.
0: E E E T O
1: N I S
2: C C R M C
3:
4: U P
Question 3.
int getDiameter(Graph g) {
    int d = 0;
    foreach Vertex v in g {
        foreach Vertex u in g {
             u.checked = false;
        }
        Queue q = new Queue();
        v.depth = 0;
        v.check = true;
        q.enqueue(v);
        do {
             Vertex u = q.dequeue();
             d = max(d, u.depth);
             foreach Vertex t in the adjacency list of u {
                 if (t.check) continue;
                 t.check = true;
                 t.depth = u.depth + 1;
             }
        } while(q.isEmpty()==false);
    }
    return d;
}
Question 4.
(a) Kruskal's algorithm sequence: 1, 2, 4, 5, 6, 8, 10, 12, 15
(b) Prim's algorithm sequence: 4, 5, 6, 1, 2, 8, 10, 12, 15
```

Question 2 and 5 are on the second page.

