Question c)

What is the critical path for this project and how long is it?

The critical path for this project is the longest path of the project. More specifically the critical path is path G which has an estimated duration of 6.

Question d)

What is the shortest possible time needed to complete this project?

The shortest time needed is calculated as the path from start to finish with the least estimated duration. In the case of table 6-2, the shortest possible time is 10 days.