**AOA network diagram**

Consider Table below. All duration estimates or estimated times are in days, and the network proceeds from Node A to Node H.

|  |  |  |  |
| --- | --- | --- | --- |
| Activity | Initial Node | Estimated Duration | Predecessor |
| A | Evaluate current technology platform | 2 | None |
| B | Define user requirements | 2 | A |
| C | Web design page layout | 3 | B |
| D | Set up server | 4 | B |
| E | Estimate web traffic | 2 | C,F |
| F | Test web pages and links | 3 | B |
| G | Move web pages to production environment | 6 | D,E |
| H | Write announcement of intranet corporate newsletter | 2 | E,G |
| I | Train users and write report | 5 | H |

1. Draw an AOA network diagram representing the project.
2. What is the critical path for this project and how long is it?
3. What is the shortest possible time needed to complete this project?

**Solution**:

1. A



1. Critical Path = ABCEGHI or ABFEGHI
2. Shortest possible time needed to complete this project = 22 Days