|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity** | **Predecessors** | **Early Start** | **Early Finish** | **Late Start** | **Late Finish** | **Duration (days)** | **Slack time** |
| **A** | - | 0 | 3 | 0 | 3 | 3 | 0 |
| **B** | A | 3 | 7 | 4 | 8 | 4 | 1 |
| **C** | A | 3 | 8 | 5 | 10 | 5 | 2 |
| **D** | A | 3 | 7 | 3 | 7 | 4 | 0 |
| **E** | B | 7 | 9 | 8 | 10 | 2 | 1 |
| **F** | D | 7 | 16 | 7 | 16 | 9 | 0 |
| **G** | C,E | 9 | 15 | 10 | 16 | 6 | 1 |
| **H** | F,G | 16 | 18 | 16 | 18 | 2 | 0 |

2. Slack time for each activity is represented on the table

3. a. The critical tasks are A -> D -> F -> H = 3 + 4 + 9 + 2 = 18 days

The duration is 18 days

3. b. The critical path is represented in the diagram below

Critical Path

H

F

D

A