

1. Find the sequence and draw the Gantt chart for the following problem

|          |   |   |   |   |   |   |    |
|----------|---|---|---|---|---|---|----|
| Jobs     | 1 | 2 | 3 | 4 | 5 | 6 | 7  |
| Machine1 | 5 | 7 | 3 | 4 | 6 | 7 | 12 |
| Machine2 | 2 | 6 | 7 | 5 | 9 | 5 | 8  |

2. Find the sequence that minimizes the total elapsed time (in hours) required to complete the following jobs on two machines.

|           |   |   |    |    |    |    |    |    |    |
|-----------|---|---|----|----|----|----|----|----|----|
| Jobs      | A | B | C  | D  | E  | F  | G  | H  | I  |
| Machine 1 | 3 | 2 | 13 | 10 | 5  | 6  | 2  | 15 | 10 |
| Machine 2 | 5 | 8 | 5  | 12 | 11 | 10 | 13 | 7  | 5  |

Draw the Gantt Chart.