1. Preemptive will interrupt the current process when it is scheduled, while non-preemptive will wait for the current process to finish
2. A. Non-preemptive

B. Preemptive (if this is meant to be SJF, non-preemptive)

C. Preemptive

D. Still preemptive

3.

|  |  |  |  |
| --- | --- | --- | --- |
| P1 11 | P3 16 | P0 40 | P2 56 |

4.

|  |  |  |  |
| --- | --- | --- | --- |
| P1 11 | P3 16 | P2 32 | P0 56 |

5.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| P1 4 | P3 9 | P1 16 | P2 32 | P0 56 |

6.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| P1 5 | P3 10 | P1 15 | P0 20 | P2 25 | P1 26 | P0 31 | P2 36 | P0 41 | P2 46 | P0 51 | P2 52 | P0 56 |

7. [ 0 + (11-4) + (16-10) + (40-11) ] / 4 **=>** [ 7 + 6 + 29 ] / 4 **=>**  42 / 4 **=>**  **10.5**

8. [ 0 + (11-4) + (16-11) + (32-10) ] / 4 **=>** [ 7 + 5 + 22 ] / 4 **=>**  34 / 4 **=>**  **8.5**

9. [ 0 + 0 + (9-4) + (16-11) + (32-10) ] / 4 **=>** [ 5 + 5 + 22 ] / 4 **=>**  32 / 4 **=>**  **8**

10. [ 0 + (5-4) + (10-5) + (15-10) + (20-11) + (25-15) + (26-20) + (31-25) + (36-31) + 5 + 5 + 5 + (52-51)] / 4 **=>** [ 1 + 5 + 5 + 9 + 10 + 6 + 6 + 5 + 15 + 1 ] / 4 **=>**  63 / 4 **=>**  **15.75**