a)

FCFS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| p1 | p1 | p2 | p3 | p3 | p3 | p3 | p3 | p3 | p3 | p3 | p4 | p4 | p4 | p4 | p5 | p5 | p5 | p5 | p5 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

SJF

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| p2 | p1 | p1 | p4 | p4 | p4 | p4 | p5 | p5 | p5 | p5 | p5 | p3 | p3 | p3 | p3 | p3 | p3 | p3 | p3 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

Non preemptive priority

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| p3 | p3 | p3 | p3 | p3 | p3 | p3 | p3 | p5 | p5 | p5 | p5 | p5 | p1 | p1 | p4 | p4 | p4 | p4 | p2 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

RR

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| p1 | p1 | p2 | p3 | p3 | p4 | p4 | p5 | p5 | p3 | p3 | p4 | p4 | p5 | p5 | p3 | p3 | p5 | p3 | p3 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

b)

FCFS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p1 | p2 | p3 | p4 | p5 |
| 2 | 3 | 11 | 15 | 20 |

SJF

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p1 | p2 | p3 | p4 | p5 |
| 3 | 1 | 20 | 7 | 12 |

NPP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p1 | p2 | p3 | p4 | p5 |
| 15 | 20 | 8 | 19 | 13 |

RR

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p1 | p2 | p3 | p4 | p5 |
| 2 | 3 | 20 | 13 | 18 |

c)

FCFS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p1 | p2 | p3 | p4 | p5 |
| 0 |  |  |  |  |

SJF

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p1 | p2 | p3 | p4 | p5 |
| 1 |  |  |  |  |

NPP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p1 | p2 | p3 | p4 | p5 |
| 13 |  |  |  |  |

RR

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| p1 | p2 | p3 | p4 | p5 |
| 0 |  |  |  |  |