





Marking scheme:

- (a) receiving tasks and creating the CPU queue (15 marks).
- (b) creating the I/O queue (15 marks).
- (c) activating/suspending tasks at the right time(10 marks).
- (d) computing final results and producing the output (10 marks).
- (e) a demonstration of your programs (5 marks).
- (f) Overall design of your program (5 marks).

CPU queue:

0-100	100-115	115-130	130-330	330-345	345-355	355-380	380-395	395-405
P1	P2	P3	P1	P2	P3	P1	P2	P3

404-420	420-430	430-445	445-455	455-470	470-480	480-495	497-510	512-527	...	599-614
P2	P3	P2	P3	P2	P3	P2	P2	P2	P2	P2

I/O queue:

100-102	115-117	130-132	330-333	345-347	355-357	395-397	405-407	420-422
P1	P2	P3	P1	P2	P3	P2	P3	P2

430-432	445-447	455-456	470-472	495-497	...	597-599
P3	P2	P3	P2	P2	P2	P2