Q 1.1

For assuring load balance there must be at least one process for each scheduling group. For example if SRTIME group has no ready processes its group priority will not increase so will not get selected. So there must be 2 groups with ready processes to ensure load balance.

Q 4.1

This is important for security. For example user1 is not allowed to alter properties of user2's processes if these processes inherit the ownership of user2. This allows multiple users to use an operating system services securely.

Q 4.2

- PID of the parent is inherited which will create the process tree
- Also after finishing the execution of the new process control will return to the point the child process was created. So any process inherit some portion of its parents execution.