QUESTION 1.

(a)   Explain the idea of a memory model, briefly describe an example (NOT a flat one), and explain why operating systems don't support such a service.

(b)   Describe the Linda tuple memory, showing how processes can use it to communicate.

(c)   The easiest way to implement the Linda shared memory is automatically to include the Linda memory pages in the page maps of all processes. Comment on the desirability of this solution, and EITHER (if the method is satisfactory) explain in more detail how the memory should be administered, OR (if the method is unsatisfactory) propose an alternative implementation.

(d)   In view of your answer to part (a), why should Linda expect support from the system ?