**Activity Number 1**

**Name:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Roll #:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Section:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Q1. Figure 1 illustrates the operations performed in post office.***

*a) List Pipeline instructions*

*b) List Parallel instructions*

*c) Draw a task dependency graph*

*d) Write a program in OpenMP C language, clearly mention number of threads used in parallel region.*

 *( Hint, reduction, parallel for, sections, scheduling)*

***Figure 1***