1 Question

Consider the task set $\Gamma$ composed by:

- 2 periodic tasks $\tau_1$ and $\tau_2$ with WCETs $C_1 = 12$, $C_2 = 15$ and periods (equal to relative deadlines) $T_1 = 23$, $T_2 = 60$
- a sporadic task $\tau_3$ with WCET 8 and minimum inter-arrival time (equal to the relative deadline) 30

Is $\Gamma$ schedulable in a POSIX compliant OS with a worst case latency $L = 7$?
2 Question

Explain how IRQ threads can help in decreasing the kernel latency.
3 Question

Explain how to implement a periodic task behaviour using the POSIX API, describing possible issues that can occur if a “relative sleep” function is used.
4 Question

Describe the Dhall’s effect, with an example.