

outputs. Ensure that the screenshot captures system time & day.

[6]

Q.2. Answer the following questions related to LPC2378:

- a) What is the smallest change in input voltage that the ADC can detect? ($+V_{ref} = 3.3\text{ V}$) [1]
- b) What is the maximum clock frequency needed by ADC of LPC2378? [1]
- c) Give the steps to program timer for 2 second delay generation with calculation. Assume $CCLK = 48\text{MHz}$. [2]