

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IV SEMESTER B.TECH. CSE

Internal Assessment 4

EMBEDDED SYSTEMS [CSE 2223]

NOTE:

ANSWER ALL THE QUESTIONS.

Q1. Explain how to set up a basic timer on the LPC1768 for generating a periodic interrupt every 1ms.

Q2. Elaborate the process of configuring a PWM signal on LPC1768 for controlling the brightness of an LED.

Q3. Discuss the steps involved in handling an external interrupt using GPIO on LPC1768.

Q4. How can the LPC1768 be used to measure the frequency of an external signal using capture mode?

Q5. Write an embedded C program that uses Timer 0 on LPC1768 to toggle an LED at 1 second interval.