

Task 2

MBSD

DCSE, UET Peshawar

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Deadline: 8 am, Monday (18-4-2022)

- A. Generate a signal on pin P1.2 having a frequency equal to 200 Hz with a duty cycle of 40%.
- B. When a user presses a button at P1.1 the frequency changes to 100Hz with a 60% duty cycle.
- C. Show it on an oscilloscope. Use only Proteus.
- D. Each time a user presses a button the signal toggles from A to B and then B to A on the next subsequent press.