

# Microprocessors lab ECSE444

## Lab 5 Demo sheet

Group No:

Student Name:

Student ID:

Grade: /8

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1. **Demonstrate correct functionality of the code as follows: (4 marks)**

- Is UART getting data from PC? (up to 1 mark)

- Button and LED operations? (0.5 mark)

- Obtained audio data array (group number)? (1 mark)

- Timer functionality at the correct frequency (1.5 mark)

*Freq:*

*Presc:*

*Period:*

2. **Coding requirements and understandings, configuration, program flow and correctness. (4 marks)**

- GPIO configuration (0.5 mark)
- DAC configuration (0.5 mark)
- Timer (1.5 mark)
- How UART is used and configured, also in DMA mode. (0.5 mark)
- How data and memory are managed (1 mark)

3. A question asked at the demo time. (0.5 mark)