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| **EastWestUniversity**  **Department of EEE**  **EEE 302: MICROPROCESSORS & INTERFACING**  **Semester: Spring 2023**  **Class Test-3**  **Course Instructor: FMA** | |  | | --- | |  | |

1. In the following diagram, you have the **minimum mode** configuration. Answer the following questions: CO2/APPLY

A picture containing diagram, text, plan, technical drawing

Description automatically generated

1. How do ALE and DEN pins synchronize together? How does it improve the total performance of the Intel 8086 microprocessor? [10 marks]
2. What is duty Cycle? Why do Intel 8086 is connected to 18MHz clock generator instead of 6 MHz? [10 marks]